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February 15, 2007

Diana Whitney Utah Division of Oil, Gas & Mining P.O. Box 145801 Salt Lake City, UT 84114-5801

RE: Application for Permit to Drill

Ute Tribal #15-25-14-19 (Directional)
NWSW Section 30-T14S-R20E (Surface Location)

SWSE Section 25-T14S-R19E (Proposed Producing Zones)

**Uintah County, Utah** 

Dear Ms. Whitney:

Enclosed please find two copies of the APD for the Ute Tribal #15-25-14-19 on Ute Tribal Lands. This well will be drilled on Lease #20G0005581. We expect BIA approval of the Right-of-Way documents shortly. Water for the drilling will come from Miller, Dyer & Co. existing water source well the Ute Tribal #30-4 located in NENW of Section 30-T14S-R20E.

Due to extreme topography, the Ute Tribal #15-25-14-19 will be directionally drilled from a surface location in the NWSW of Section 30, T14S-R20E and penetrate the proposed producing intervals (Dakota and deeper) with a vertical hole located at a legal location within the SWSE of Section 25 T14S-R19E. The well must be directionally drilled because of a "No Surface Occupancy" clause in the existing E&D Agreement with the Ute Indian Tribe. The entire proposal is included in the APD.

Please do not hesitate to call me if you have any questions or need additional information.

Sincerely

Jeffréy H. Lang

Vice President of Operations

CC: BIA - 1

**BLM - 3** 

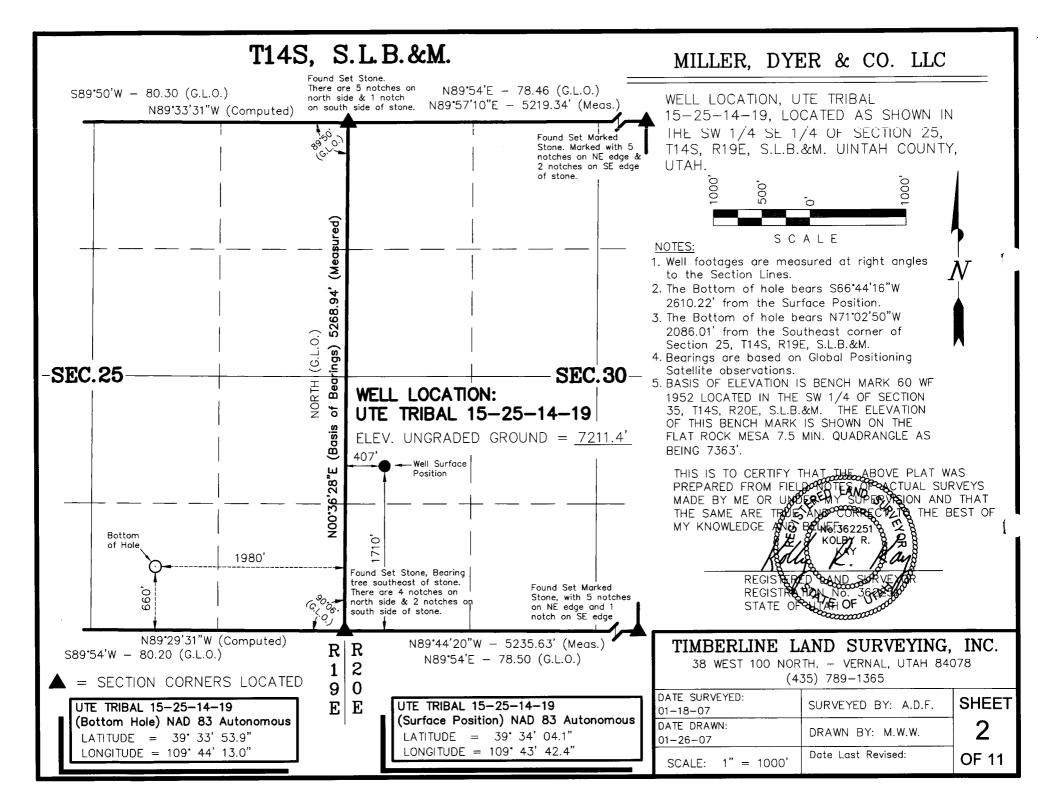
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# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM	3
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AMENDED REPORT (highlight changes)

		APPLICATION	N FOR	PE	RMIT TC	DRILL			5. MINER/ 20G00	AL LEASE NO: 005581	6. SURFACE: Indian
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B. TYPE OF WEL	ll: OIL 🗌	GAS 🗸 OT	HER		SINC	GLE ZONE [	MULTIPLE ZOI	NE 🔽	8. UNIT or N/A	CA AGREEMENT N	AME:
2. NAME OF OPE Miller, Dyer		<del></del>								NAME and NUMBER:	
3. ADDRESS OF	OPERATOR:	0 <sub>CITY</sub> Denver			CO <sub>ZIP</sub> 802	202	PHONE NUMBER: (303) 292-0949			AND POOL, OR WIL	.DCAT:
4. LOCATION OF	WELL (FOOTAG	ES) 438034	st. a√ 39.	SIOT	769 - 10	9 727				TR, SECTION, TOW	
AT SURFACE:	1710 FSL	ES) 3 X 438034 407 FWL NWS	W (Section	on 3	0-T14S-Ŕ2	(OE)	•			W30 14S	201E S
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		PERTY OR LEASE LINE	(FEET)	T	16. NUMBER OF	ACRES IN LEA	SE:	17. N	UMBER OF	ACRES ASSIGNED	TO THIS WELL:
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APPLIED FOR	O NEAREST WEL R) ON THIS LEAS	L (DRILLING, COMPLET E (FEET)	ED, OR		19. PROPOSED	DEPTH:	13,538		OND DESC LB0008		
3960 21. ELEVATIONS	(SHOW WHETH	ER DF, RT, GR, ETC.):		$\dashv$	22. APPROXIMA	ATE DATE WOR			STIMATED		
7211 GR					6/1/2007	•		1-	1/2 Mor	nth	
24.			PROPO	SED	CASING A	ND CEMEN	ITING PROGRAM				
SIZE OF HOLE	CASING SIZE	, GRADE, AND WEIGHT	PER FOOT	SET	ITING DEPTH		CEMENT TYPE, Q	JANTITY	YIELD, AN	SLURRY WEIGHT	
12-1/4"	9-5/8"	J-55	36#		3,200	Class G 8	& Hi-Fill	834	sacks	3.84 & 1.16	11 & 15.8
8-3/4"	5-1/2"	N80 P110	17#		13,538	Class G	& Prem Lite	1442	sacks	1.73 & 3.84	13.5,11,15.8
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25.					ATTA	CHMENTS	<u> </u>				
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WELL PL	AT OR MAP PRE	PARED BY LICENSED S	SURVEYOR OR	ENGIN	NEER	<b>7</b> co	OMPLETE DRILLING PLAN	ı			
<b>V</b> EVIDENC	CE OF DIVISION	OF WATER RIGHTS APP	PROVAL FOR U	JSE OF	WATER	FC	ORM 5, IF OPERATOR IS F	PERSON	OR COMPAI	NY OTHER THAN TH	IE LEASE OWNER
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						Oil,	Gas and Min	ing	Г	DECENT	ED
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(11/2001)		Federal Appro	oval of tole essaiy	1	(See Instruction	ons y verse	and a sold	X	YOIV. (	OF OIL, GAS &	MINING



# DRILLING PLAN MILLER, DYER & CO. LLC

## UTE TRIBAL #15-25-14-19 SWSE Section 25 T14S-R19E

#### 1. Estimated Formation Tops

<b>Estimated Formation</b>	<u>TVD</u>	<u>MD</u>	
Tops:			
Green River	Surface	Surface	
Wasatch	2,220'	2,200'	Oil and/or gas
			anticipated >
			3,000'
Mesaverde	4,200'	4,220'	Gas
Castlegate Sandstone	6,035'	6,200'	Gas
Mancos Shale	6,275'	6,500'	Gas
Dakota Sandstone	10,150'	10,688'	Gas
Cedar Mountain	10,255'	10,790'	Gas
Morrison	10,475'	11,015'	Gas
Curtis	10,905'	11,450'	Gas
Entrada Sandstone	11,095'	11,640'	Gas
Carmel	11,225'	11,743'	Gas
Wingate	11,550'	12,090'	Gas
Chinle	11,820'	12,360	Gas
TD	13,000'	13,538'	

## 2. <u>Pressure Control Equipment</u>

Schematic attached (Diagram "A")

Blow Out Preventer (BOP) will be equipped as follows:

- A. Type: Eleven (11) Inch double Gate Hydraulic 3,000 psi BOP mounted on a 3,000 psi casinghead.
  - a. One set of blind rams (above)
  - b. One set of pipe rams (below)
  - c. Appropriate fill, kill and choke lines will be 2" x 2,000 psi working pressure

#### B. Auxiliary Equipment:

Auxiliary equipment to include upper Kelly cock with a handle, a floor safety valve with subs to fit all drill string connections in use, and a string float valve.

A rotating head will be installed above the blow-out preventer to divert any hydrocarbons in the drilling mud away from the rig floor.

C. Pressure Rating: 3,000 psi WP

#### D. Testing Procedure:

## **Hydraulic Ram-Type BOP**

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack of 3,000 psi. This pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1) When the BOP is initially installed.
- 2) Whenever any seal subject to test pressure is broken.
- 3) Following related repairs; and
- 4) At thirty (30) day intervals

In addition to the above, the pipe and blind rams will be activated each trip, but no more that once each day.

## E. Choke Manifold Equipment:

All choke lines will be straight lines; turns will use tee blocks, or targeted running tees, and will be anchored to prevent whip and vibration. The manifold will have two (2) manual chokes and a pressure gauge.

#### F. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve, if so equipped, close all rams plus the annular BOP, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity, and the fluid level of the reservoir will be maintained to the manufacturer's recommendations.

#### G. Miscellaneous Information:

The choke manifold and BOP ram extensions rods with hand wheels will be located outside the rig substructure. The hydraulic BOP closing unit will be located at least 25 feet from the well head, but readily accessible to the driller. Exact location and configuration of the hydraulic BOP closing unit will depend on the layout of the particular rig contracted to drill this well.

A flare line will be installed from the choke manifold to a flare pit, extending a minimum of 125 feet from the center of the drill hole.

The BOP and related pressure control equipment will be installed, tested and maintained in compliance with the specifications and requirements of the Onshore oil and Gas Order Number 2.

#### 3. Auxiliary Equipment

- a. Kelly cock Yes
- b. Float sub at bit No
- c. Mud logger & instrumentation Yes
- d. Full-opening safety valve on rig floor Yes
- e. Rotating head No

## 4. Casing Program

	Setting Depth	Hole Size	Casing O.D.	Grade	Weight/Ft.	Thread
Conductor	40'	26"	20"	Conductor	0.250" wall	
Surface	3,200'	12-1/4"	9-5/8"	J-55	36#	LTC
Production	0'-2,500'	8-3/4"	5-1/2"	N-80	17#	Buttress
	2,500'- 10,350'	8-3/4"	5-1/2"	N-80	17#	LTC
	10,350'- 13,538'	8-3/4"	5-1/2"	P-110	17#	LTC

• Subject to review on the basis of actual conditions encountered. Production casing depth will be adjusted based on results.

#### **Cement Program**

Conductor Casing: 0'-40'

Ready Mix to surface

#### Surface Casing: 0' - 3200'

Lead Cement:
0'-2700'
11.0 ppg Hi-Fill
16% gel
10 #/sk gilsonite
3% salt
3 #/sk GR-3 (ground rubber)
½ #/sk cello flake
Cement yield = 3.84 ft3/sk w/ 23 gal/sk water
Annular volume = 2700' \* 0.3132 ft3/ft = 845.6 ft3
Excess = 100%

# Total volume w/ excess = 845.6 ft3 \* 2.0 = 1691.2 ft3Lead Cement Requirement = 1691.2 ft3 / 3.84 ft3/sk = 440 sks

#### Tail Cement:

2700'-3200' plus shoe joint

15.8 ppg Class G

1% CaCl2

1/8 #/sk Poly-E-Flake

Cement yield = 1.16 ft3/sk w/ 5 gal/sk water

Annular volume = 500' \* 0.3132 ft 3/ft = 156.6 ft 3

Excess = 100%

Total annular volume w/ excess = 156.6 ft3 \* 2.0 = 313.2 ft3

Shoe volume = 45' \* 0.4341 ft 3/ft = 19.5 ft 3

Excess (shoe) = 0%

Total volume w/ excess (incl. shoe) = 313.2 + 19.5 = 332.7 ft3

Tail Cement Requirement = 332.7 ft 3 / 1.16 ft 3/sk = 287 sks

# Displacement Volume:

3155' \* 0.0773 bbl/ft = 243.9 bbls

## Top Out Cement:

0-200' (displaced down backside w/ 1" string)

15.8 ppg Class G

2% CaCl2

1/4 #/sk cello flake

Cement yield = 1.17 ft3/sk w/ 5 gal/sk water

Annular volume = 200' \* 0.3132 ft 3/ft = 62.6 ft 3

Excess = 100%

Total volume w/ excess = 62.6 ft3 \* 2.0 = 125.2 ft3

Top Out Cement Requirement = 125.2 ft 3 / 1.17 ft 3/sk = 107 sks

## Production Casing: 0'-13,538' (DV Tool @ 9828')

#### Stage 1

#### Cement:

9,828'-13,538'

13.5 ppg Halliburton 50/50 Poz Premium (or equivalent)

5 #/sk Silicalite Compacted (light weight additive)

0.4% Halad®-344 (low fluid loss control)

0.2% Super CBL (gas migration control)

0.2% HR-12 (retarder)

0.25 #/sk Flocele (lost circulation additive)

0.2% CFR-3 (dispersant)

20% SSA-1 (additive material)

Cement yield = 1.73 ft3/sk w/ 8.2 gal/sk water

Annular volume =  $3710^{\circ} * 0.2526 \text{ ft} 3/\text{ft} = 937.2 \text{ ft} 3$ 

Excess = 40%

Total volume w/ excess = 937.2 ft 3 \* 1.4 = 1312.1 ft 3

Shoe volume = 45' \* 0.1305 ft3/ft = 5.9 ft3

Excess (shoe) = 0%

Total volume w/ excess (incl. shoe) = 1312.1 + 5.9 = 1318.0 ft3

Stage 1 Cement Requirement = 1318.0 ft3 / 1.73 ft3/sk = 762 sks

## Displacement Volume:

(13538'-45') \* 0.0232 bbl/ft = 313 bbls

#### Stage 2 (DV tool to 500' inside surface casing)

#### Lead Cement:

2700'-9666'

11.0 ppg Halliburton Hi-Fill (or equivalent)

16% Bentonite (light weight additive)

0.75% Econolite (light weight additive)

10 #/sk gilsonite (lost circulation additive)

0.25 #/sk Flocele (lost circulation additive)

3% salt

1% HR-7 (retarder)

Cement yield = 3.84 ft3/sk w/ 23 gal/sk water

Volume inside surface casing =  $500^{\circ} * 0.2691 \text{ ft} 3/\text{ft} = 134.5 \text{ ft} 3$ 

Excess = 0%

Annular volume = 6466' \* 0.2526 ft3/ft = 1633.3 ft3

Excess = 40%

Annular volume w/ excess = 1633.3 ft 3 \* 1.40 = 2286.6 ft 3

Total volume = 134.5 + 2286.6 = 2421.1 ft3

Lead Cement Requirement = 2421.1 ft 3 / 3.84 ft 3/sk = 630 sks

## Tail Cement:

9666' - 9828'

15.8 ppg Premium cement

0.2% HR-5 (retarder)

Cement yield = 1.15 ft3/sk w/ 5 gal/sk water

Annular volume = 162' \* 0.2526 ft 3/ft = 40.9 ft 3

Excess = 40%

Annular volume w/ excess = 40.9 ft 3 \* 1.40 = 57.3 ft 3

Tail Cement Requirement = 50 sks

#### Displacement Volume:

9828' \* 0.0232 bbl/ft = 228 bbls

## 5. <u>Mud Program</u> (visual monitoring)

Interval	Mud Type	Weight	Viscosity	Fluid Loss
0'-	Water/Gel/Lime/Native	8.3-8.6 ppg	33-36 sec/qt	N/C
2,400'	Clays			
2,400'-	KCl/Polymer or	9.0-9.3 ppg	38-42 sec/qt	8-10cc
13,538'	DAP/Polymer			

Sufficient mud materials to maintain mud properties, control lost circulation, contain a "gas" kick, and rebuild an active mud system will be available on location during drilling operations.

#### 6. Testing, Logging, Coring

- a. Drill stem tests non anticipated
- b. Electric logs DIL/SP/GR, FDC/CNL/CAL/PE/GR, BHC sonic/GR all from TD to surface
- c. Coring possible sidewall coring in the Dakota, Cedar Mountain, Morrison and Entrada.

# 7. <u>Anticipated Bottom Hole Pressure and Temperature, and other Potential Hazards</u>

#### A. Bottom Hole Pressure:

Maximum anticipated bottom hole pressure is 4,550 psi (calculated at 0.35 psi/ft. at the 13,000' (TVD) level of the Chinle). This pressure gradient was calculated from a bottom hole pressure buildup test conducted on the Del-Rio / Orion 29-7A well located in the same section as the proposed well. Therefore the maximum anticipated surface pressure is 1,690 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft.).

## B. Bottom Hole Temperature:

The bottom hole temperature anticipated in this wellbore is approximately 235 degrees Fahrenheit at 13,000' TVD. This anticipated temperature is consistent with the temperatures encountered in the other four deep wells drilled in this area.

#### C. Abnormal Pressures or Temperatures:

As demonstrated above, no abnormal pressures or temperatures are anticipated in this well.

#### D. Potential Hazards:

No hydrogen sulfide (H<sub>2</sub>S) gas or other potential hazards have been encountered or are known to exist in any well drilled to similar depths in the general area.

#### 8. Anticipated Starting Date and Duration

Spud Date: Upon governmental approval and drilling rig availability

## **Duration of Operations:**

- 1) Drilling: Approximately 40 days.
- 2) Completion: Approximately 15 days

#### **Drilling Notification:**

The spud date will be reported orally to the Authorized Officer of the Bureau of Land Management, Vernal Field Office, 24 hours prior to spudding, unless otherwise instructed in the site specific conditions of approval.

# SURFACE USE PLAN MILLER, DYER & CO. LLC

## UTE TRIBAL #15-25-14-19 SWSE Section 25 T14S-R19E

#### 1. Existing Roads:

- a. Topographic Map "A" shows the vicinity of the well, including a portion of the Agency Draw Road. This road is reached from Ouray, Utah, by following the Seep Ridge Road south to Buck Canyon; taking the Buck Canyon road west to the Willow Creek Road; then north on the Willow Creek Road to Santio Crossing, which is at the junction of the Willow Creek Road and the Agency Draw Road.
- b. Topographic Map "B" shows the point approximately 53 miles south of Ouray where the access road to the well departs from the Flat Rock Mesa Road. Beyond this point the access road consists of 2.7 miles of existing lease road leading to the Ute Tribal #30-2 location, and 1,190 feet of new road branching off this road just before it reaches the Ute Tribal #15-25-14-19 location.
- 2. Planned Access Road: (refer to Topographic Map "D")
  - a. Length of new road will be approximately 1,190 feet.
  - b. The right-of-way width is 30' (15' on either side of the centerline) with a 20-foot wide running surface.
  - c. Maximum grade will be less than 2%
  - d. No turn-outs are planned.
  - e. The new road will be crowned, ditched and dipped to provide adequate drainage.
  - f. Culverts will be used if necessary.
  - g. No gates are cattle guards will be needed. Nor will any existing facilities be modified.
  - h. The proposed road was flagged when the location was staked.
  - i. The authorized officer will be contacted at least 24 hours in advance of commencement of construction of the access road and well pad.

## 3. Location of Existing Wells:

- a. The nearest producing well is the Ute Tribal #30-2, located approximately 375' east of the proposed location in Section 30-T14S-R20E.
- 4. Location of Existing and/or Proposed Facilities:
  - a. There are no existing facilities on the proposed well pad. All proposed facilities will be contained within the proposed location site (see attached "Typical Rig Layout"). Topographic Map "D" shows the proposed route for a gas line, to be co-located in the access road right-of-way, and connected to the Miller, Dyer & Co. LLC gathering system.
  - b. The operator will submit information concerning proposed on and off well pad facilities once production has been established by applying for approval of subsequent operations.

- 5. Location and Type of Water Supply:
  - a. Miller, Dyer & Co. existing water supply well the Ute Tribal 30-4A, located in the NENW Section 30-T14S-R20E on Indian surface has been approved by the Ute Indian Tribe. The existing BIA water permit number for the well is #14-20-H62-5069.
  - b. Some produced water from existing wells may be used for drilling. Fresh water may also be taken at a point of diversion at Santio Crossing from Willow Creek in the SESE Section 29-T12S-R21E, SLB&M, if available during the drought. This water will be taken under the terms of the Ute Oilfield Water Service's state filing.
  - c. Water will be transported by truck on the Agency Draw and Flat rock Mesa roads.

#### 6. Source of Construction Materials:

- a. It is anticipated that any construction materials will be needed for the drilling phase of this project. Gravel, shale or road base materials needed to upgrade access roads and well pad will be obtained from the operator's pit located on SITLA land near Chimney Rock.
- b. The entire well site and all access roads to be upgraded for built are located on lands held in trust by the federal government for the Ute Indian Tribe.
- c. All construction materials used in building the well pad and access road will be native materials accumulated during construction. In the event that additional materials are needed, they will be obtained from the operator's existing pit on SILTA land or from private sources.

#### 7. Methods for Handling Waste Disposal:

- Methods and locations for safe containment and disposal of the following materials:
  - 1. Drill cuttings will be buried in the reserve pit.
  - 2. Garbage and trash will be contained in trash baskets and hauled to a sanitary landfill. There will be no burning of trash on the location at any time.
  - 3. Salts will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
  - 4. Chemicals will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
  - 5. Sewage waste will be contained in portable chemical toilets serviced by a commercial sanitary service.
- b. Drilling fluids will be contained in the reserve pit and mud tanks. To the extent possible, drilling fluids and water will be saved for use at future drilling locations. Unusable drilling fluids and water will be disposed of in an approved manner upon the completion of the well.

- c. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater that 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, of this well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.
- d. Reserve pit and waste water disposal:
  - 1. The reserve pit will be constructed so as not to lead, break, or allow the discharge of fluids.
  - 2. The reserve pit will be lined with 12 mil plastic nylon reinforced liner installed over sufficient bedding material to cover any exposed rocks. The pit will be fenced on three sides with 39" net wire, topped with a minimum of one strand of barbed wire. All wire will be stretched prior to attachment to the corner posts. The fourth side will be fenced when drilling activities are completed to allow drying.
  - 3. The closure of the reserve pit will follow the Guidance for Reserve Pit Closure as found in the Environmental Handbook of the State of Utah, Division of Oil, Gas & Mining.
    - a) The reserve pit will be closed within one year following drilling and completion of a well (R649-16.3).
    - b) Liquid in a pit will be allowed to either evaporate or be removed. If removed, it will be disposed of properly, some options are injection (in this well or another), hauled to a permitted disposal facility, or re-used at another well.
    - c) The pit liner may be cut off above the cuttings/mud level and hauled to a landfill, or folded in and processed along with other pit contents and covered. No remnants of liner material will be exposed at the surface when pit closure is complete. Pit area will be mounded so as not to allow ponding of water and drainage diverted around as not to allow erosion of the old pit site.
  - 4. A closed drilling system will not be used as there is no irrigable land, floodplains, or lands under crop production.
  - 5. In accordance with Onshore Order No. 7, a permanent disposal method and location will be applied for within 90 days of establishing production.
  - 6. After first production:
    - a) Produced waste water will be confined to the reserve pit, or a storage tank for a period not to exceed 90 days.
    - b) During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis will be submitted to the authorized officer.
    - c) No produced water will be used for dust or weed control of any kind. Should spills of oil, produced water, or hazardous

materials occur, the area of the spill will be re-mediated and contaminated soil and recovered oil or hazardous materials will be hauled to an approved disposal facility.

#### 8. Ancillary Facilities:

a. No airstrips will be built. Mobile living quarters and office facilities for supervisors, geologists, mud engineers, mud loggers and air compressor personnel will be confined to the drilling location as shown on the "Location Layout" diagram. The drilling crew will be housed on location.

#### 9. Well Site Layout:

- a. Refer to attached "Cross Sections" diagram for cuts and fills and relation to topography.
- b. Refer to "Typical Rig Layout" diagram for location of mud tanks, reserve and flare pits, pipe racks, living facilities and top soil stockpiles.
- c. Refer to "Typical Rig Layout" diagram for rig orientation, access road and parking area. Parking area will be in the northeast corner of the location.

#### 10. Plans for Restoration of the Surface:

- a. Producing well location
  - 1. Immediately upon well completion the location and surrounding area will be cleared of all tubing, equipment, debris, materials, trash and junk not required for production.
  - 2. Immediately upon well completion any hydrocarbons on the reserve pit will be removed and disposed of properly.
  - 3. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days of the date of well completion, or as soon thereafter as is practical. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc removed. The liner will be perforated and torn prior to backfilling.
  - 4. Access roads will be graded and maintained to prevent erosion and accommodate year-round traffic.
  - 5. All disturbed areas not needed for operations will be seeded with the mixture required by the BIA in the manner specified by the BIA.

#### b. Dry Hole/Abandoned Location

1. At such time as it is determined that the well is to be plugged and abandoned, the operator will submit a subsequent report of abandonment to the BLM and the BIA. The BLM will attach plugging conditions of approval, and the BIA will attach conditions of approval for the restoration of the surface.

#### 11. Surface Ownership:

a. Access roads and location are held in trust for the Ute Indian Tribe by the Unites States. The operator has obtained a right-of-way with the BIA and

submitted payment for damages as specified in its Exploration and Development Agreement with the Ute Indian Tribe.

#### 12. Additional Information:

- a. The operator will inform all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and will inform the assigned monitor and the authorized officer (AO) at the BIA. Within five working days the AO will inform the operator as to:
  - 1. Whether the materials appear to be eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - 3. A time frame for the AO to complete an expedited review under 36 CFR 900.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.
- b. If the operator wishes at any time to relocate activities to avoid the cost of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will be allowed to resume construction.
- c. At the request of the Ute Indian Tribe, a 30'-wide fire break will be bladed around the perimeter of the location.

## 13. Lessee's or Operator's Representative and Certification:

a. Jeffrey H. Lang, Vice President of Operations

Miller, Dyer & Co. LLC 475 17<sup>th</sup> Street, Suite 1200

Denver, CO 80202

Office: 303 292 0949 Ext 102

FAX: 303 292 3901 Cell: 303 503 3730

Email: jeff@millerdyer.com

I hereby certify that I have inspected the proposed drill site and access road; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Miller, Dyer & Co. LLC, and its contractors an subcontractors in conformity with the plan and the terms and conditions

under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that Miller, Dyer & Co. LLC is considered to be the operator of the Ute Tribal 15-25-14-19 well; SWSE of Section 25, T14S-R19E and all producing zones; Uintah County, Utah; and is responsible for the operations conducted upon the leased lands. Bond coverage is provided by Certificate of Deposit.

 $\frac{7/15/07}{\text{Date}}$ 

Jeffrey/H/Lang
Vice President of Operations

The onsite inspection for this well was conducted on February 6, 2007

Participants in the onsite inspection were: Kolby Kay, Timberline Land Surveying Inc. John E. Dyer, Miller, Dyer & Co. LLC Alvin Ignacio, Ute Indian Tribe Shawnee Guzman, BIA rep Miller, Dyer & Co. LLC **Drilling Program** Rig: ?? Well: UT 15-25-14-19 SHL: NW SE 30 T14S-R20E BHL: SWSE 25 T14S-R19E 77 RKB Uintah County, UT Depth RKB 100 GL Comments TVD SURFACE HOLE: 12 1/4" ← 12 1/4" hole TOC (Stage #2) 500' inside csg (Hi-Yield fill cmt) 2700 MD 9 5/8" 36# J55 LTC 3200 MD PRODUCTION HOLE: 8 3/4" Directional "S" well with KOP below surf csg - 8 3/4" hole back to vertical and in target at Dakota Silt Stage Tool TOC (Stage #1) 3710' fill 9828 MD / 9300 TVD completion grade cmt 10688 MD Dakota Silt 10150 TD 13000 5 1/2" 17# P-110 LTC 13538 MD



# **Drilling Services**

# **Proposal**

# **MILLER, DYER & COMPANY, LLC**

**UTE TRIBAL 15-25-14-19** 

**UINTAH COUNTY, UTAH** 

WELL FILE: PLAN 1

**FEBRUARY 13, 2007** 

# MILLER, DYER & CO, LEC

UTE TRIBAL 15-25-14-19 SHL SEC 30-T14S-R19E 1710' FSL, 407' FWL UINTAH COUNTY, UTAH

					SECTION DE	ETAILS				
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	246.74	0.00	0.00	0.00	0.00	0.00	0.00	
2	3282.34	0.00	246.74	3282.34	0.00	0.00	0.00	0.00	0.00	
3	4532.34	25.00	246.74	4493.05	-105.98	-246.60	2.00	246.74	268.41	
4	9438.22	25.00	246.74	8939.29	-924.58	-2151.47	0.00	0.00	2341.72	
5	10688.22	0.00	246.74	10150.00	-1030.56	-2398.07	2.00	180.00	2610.13	
6	13538.22	0.00	246.74	13000.00	-1030.56	-2398.07	0.00	246.74	2610.13	



Azimuths to True North Magnetic North: 11.68°

Magnetic Field Strength: 52535nT Dip Angle: 65.60° Date: 2/9/2007 Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH: 11.68°



3000

4500

5250

6000

6750

7500

8250

9000

9750

10500

11250

12000

12750

13500 -750

8939

10150

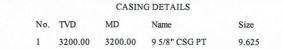
Frue Vertical Depth [1500ft/in]

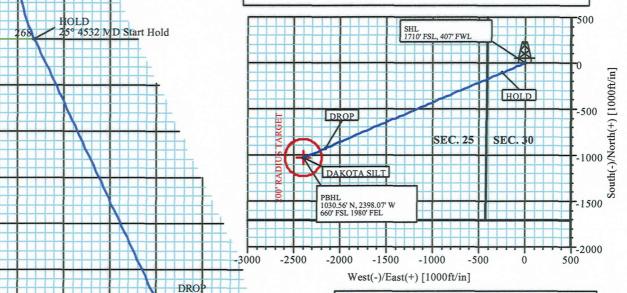
KB ELEVATION: 7229'

0° 3282 MD Start Build 2.00

GR ELEVATION: 7209'

TARGET DETAILS Name TVD +N/-S+E/-W Shape -1030.56 -2398.07 Circle (Radius: 200) DAKOTA SILT 10150.00





25° 9438 MD Start Drop -2.00

0 10688 MD Start Hold

PBHL

3000

1500

Vertical Section at 246.74° [1500ft/in]

2250

0° 13538 MD TD

3750

# FIELD DETAILS

#### UINTAH COUNTY, UTAH

Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone

Magnetic Model: bggm2006

System Datum: Mean Sea Level Local North: True North

#### SITE DETAILS

UTE TRIBAL 15-25-14-19 SHL 1710' FSL 407' FWL SECT 30-T14S-R19E

Site Centre Latitude: 39°34'04.100N Longitude: 109°43'42.400W

Ground Level: 7209.00
Positional Uncertainty: 0.00
Convergence: 1.13



Plan: Plan #1 (UT 15-25-14-19/1)

Created By: L WINCHELL

Date: 2/13/2007



Company: MILLER, DYER & CO.

**UINTAH COUNTY, UTAH** Field: Site: UTE TRIBAL 15-25-14-19

Well: UT 15-25-14-19

Wellpath: 1 Date:

Vertical (TVD) Reference:

Survey Calculation Method:

Section (VS) Reference:

16:29:41 Time: Co-ordinate(NE) Reference:

Site: UTE TRIBAL 15-25-14-19, True North

SITE 7229.0

Well (0.00N,0.00E,246.74Azi)

Minimum Curvature Db: Sybase

UINTAH COUNTY, UTAH Field:

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Svs Datum: Mean Sea Level Map Zone: Coordinate System: Geomagnetic Model: Utah, Central Zone

Site Centre bggm2006

UTE TRIBAL 15-25-14-19

SHL 1710' FSL 407' FWL SECT 30-T14S-R19E

0.00 ft

7209.00 ft

2/9/2007

Depth From (TVD)

ft

52535 nT

Site Position: From: Geographic

Position Uncertainty:

**Ground Level:** 

Northing:

7016262.06 ft Easting: 2139782.41 ft Latitude: Longitude:

30 34 4.100 N 109 43 42.400 W

North Reference: **Grid Convergence:**  True 1.13 deg

UT 15-25-14-19 Well: Slot Name:

Well Position: +N/-S+E/-W

0.00 ft Northing: 0.00 ft Easting:

7016262.06 ft 2139782.41 ft

4.100 N 39 34 Latitude: Longitude:

109 43 42.400 W

Position Uncertainty: 0.00 ft

Wellpath: 1 **Current Datum:** Magnetic Data:

Field Strength:

Principal:

Vertical Section:

SITE

Height 7229.00 ft

+N/-S

ft

0.00

Drilled From: Tie-on Depth: **Above System Datum:** 

Surface 0.00 ft Mean Sea Level

Declination: Mag Dip Angle:

11.68 deg 65.60 deg

246.74

+E/-W ft 0.00

Direction deg

0.00 Plan #1 Plan:

Yes

**Date Composed:** 

Version:

2/9/2007

From Surface Tied-to:

**Plan Section Information** 

	MID ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100f	Build t deg/100f	Turn t deg/100ft	TFO deg	Target
l	0.00	0.00	246.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
l	3282.34	0.00	246.74	3282.34	0.00	0.00	0.00	0.00	0.00	0.00	
l	4532.34	25.00	246.74	4493.05	-105.98	-246.60	2.00	2.00	0.00	246.74	
l	9438.22	25.00	246.74	8939.29	-924.58	-2151.47	0.00	0.00	0.00	0.00	
l	10688.22	0.00	246.74	10150.00	-1030.56	-2398.07	2.00	-2.00	0.00	180.00	DAKOTA SILT
	13538.22	0.00	246.74	13000.00	-1030.56	-2398.07	0.00	0.00	0.00	246.74	

#### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
3200.00	0.00	246.74	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	9 5/8" CSG PT
3282.34	0.00	246.74	3282.34	0.00	0.00	0.00	0.00	0.00	0.00	KOP
3300.00	0.35	246.74	3300.00	-0.02	-0.05	0.05	2.00	0.00	2.00	
3400.00	2.35	246.74	3399.97	-0.95	-2.22	2.42	2.00	0.00	2.00	
3500.00	4.35	246.74	3499.79	-3.26	-7.59	8.27	2.00	0.00	2.00	
3600.00	6.35	246.74	3599.35	-6.95	-16.16	17.59	2.00	0.00	2.00	
3700.00	8.35	246.74	3698.52	-12.00	-27.92	30.39	2.00	0.00	2.00	
3800.00	10.35	246.74	3797.19	-18.42	-42.85	46.64	2.00	0.00	2.00	
3900.00	12.35	246.74	3895.23	-26.19	-60.94	66.33	2.00	0.00	2.00	
4000.00	14.35	246.74	3992.52	-35.31	-82.16	89.42	2.00	0.00	2.00	
4100.00	16.35	246.74	4088.94	-45.76	-106.48	115.90	2.00	0.00	2.00	
4200.00	18.35	246.74	4184.39	-57.54	-133.88	145.72	2.00	0.00	2.00	
4300.00	20.35	246.74	4278.73	-70.62	-164.33	178.86	2.00	0.00	2.00	
4400.00	22.35	246.74	4371.86	-85.00	-197.78	215.27	2.00	0.00	2.00	
4500.00	24.35	246.74	4463.67	-100.65	-234.20	254.91	2.00	0.00	2.00	



MILLER, DYER & CO. Company: Field:

UINTAH COUNTY, UTAH UTE TRIBAL 15-25-14-19

UT 15-25-14-19

Date: 2/9/2007

Vertical (TVD) Reference:

Time: 16:29:41

Page: Site: UTE TRIBAL 15-25-14-19, True North

Co-ordinate(NE) Reference: SITE 7229.0

Well (0.00N,0.00E,246.74Azi)

Well: Section (VS) Reference: **Survey Calculation Method:** Minimum Curvature Db: Sybase Wellpath: Survey TVD E/W VS Build DLS MD Incl Azim N/S Turn Comment deg/100ft deg/100ft deg/100ft deg deg ft ft ft ft 4532.34 25.00 246.74 4493.05 -105.98 -246.60 268.41 2.00 0.00 2.00 HOLD 4600.00 25.00 246.74 4554.37 -117.27 -272.87 297.00 0.00 0.00 0.00 246.74 4645.00 0.00 0.00 0.00 4700.00 25.00 -133.95-311.70339.27 4800.00 25.00 246.74 4735.63 -150.64 -350.53 381.53 0.00 0.00 0.00 4900.00 25.00 246.74 4826.26 -167.33 -389.36 423.79 0.00 0.00 0.00 0.00 5000.00 25.00 246.74 4916.90 -184.01 -428.19 466.05 0.00 0.00 5100.00 25.00 246.74 5007.53 -200.70 -467.02 508.31 0.00 0.00 0.00 5200.00 25.00 246.74 5098.16 -217.38 -505.84 550.58 0.00 0.00 0.00 25.00 592.84 0.00 5300.00 246.74 5188.79 -234.07 -544.67 0.00 0.00 5400.00 25 00 246 74 5279.42 -250 76 -583 50 635.10 0.00 0.00 0.00 0.00 0.00 0.00 5500.00 25.00 246.74 5370.05 -267.44 -622.33 677.36 -284.13 0.00 5600.00 25.00 246.74 5460.68 -661.16 719.62 0.00 0.00 5700.00 25.00 246.74 5551.31 -300.82 -699.98 761.88 0.00 0.00 0.00 5641.94 5800.00 25.00 246.74 -317.50 -738.81 804.15 0.00 0.00 0.00 5900.00 25.00 246.74 5732.57 -334.19 -777.64 846.41 0.00 0.00 0.00 0.00 0.00 0.00 6000.00 25.00 246.74 5823.20 -350.87 -816.47 888.67 930.93 0.00 0.00 0.00 6100.00 25.00 246.74 5913.83 -367.56 -855.30 6200.00 25.00 246.74 6004.46 -384.25 -894.13 973.19 0.00 0.00 0.00 -400.93 -932.95 0.00 6300.00 25.00 246.74 6095.10 1015.46 0.00 0.00 6400.00 25.00 246.74 6185.73 -417.62 -971.78 1057.72 0.00 0.00 0.00 6500.00 25.00 246.74 6276.36 -434.31 -1010.61 1099.98 0.00 0.00 0.00 -450.99 0.00 6600.00 25.00 246.74 6366.99 -1049.44 1142.24 0.00 0.00 246.74 -467.68 -1088 27 1184.50 0.00 0.00 0.00 6700.00 25.00 6457.62 6800.00 25.00 246.74 6548.25 -484.36 -1127.10 1226.77 0.00 0.00 0.00 6900.00 246.74 6638.88 -501.05 -1165.92 0.00 0.00 0.00 25.00 1269.03 25.00 246.74 -517.74 -1204.75 0.00 0.00 0.00 7000.00 6729.51 1311.29 7100.00 25.00 246.74 6820.14 -534.42 -1243.58 1353.55 0.00 0.00 0.00 7200.00 25.00 246.74 6910.77 -551.11 -1282.41 1395.81 0.00 0.00 0.00 246.74 -1321.24 1438.07 0.00 0.00 0.00 7300.00 25.00 7001.40 -567.80 7400.00 25.00 246.74 7092.03 -584.48 -1360.06 1480.34 0.00 0.00 0.00 0.00 0.00 0.00 7500.00 25.00 246.74 7182.67 -601.17 -1398.89 1522.60 7600.00 25.00 246.74 7273.30 -617.85 -1437.72 1564.86 0.00 0.00 0.00 7700.00 25.00 246.74 7363.93 -634.54 -1476.55 1607.12 0.00 0.00 0.00 7454.56 0.00 0.00 7800.00 25.00 246.74 -651.23 -1515.38 1649.38 0.00 7900.00 25.00 246.74 7545.19 -667.91 -1554.21 1691.65 0.00 0.00 0.00 -684.60 -1593.03 1733.91 0.00 0.00 0.00 8000.00 25.00 246.74 7635.82 0.00 8100.00 25.00 246.74 7726.45 -701.29 -1631.86 1776.17 0.00 0.00 25.00 246.74 7817.08 -717.97 1818.43 0.00 0.00 0.00 8200.00 -1670.69 25.00 246.74 -734.66 -1709.52 1860.69 0.00 0.00 0.00 8300.00 7907.71 8400.00 25.00 246.74 7998.34 -751.34 -1748.35 1902.95 0.00 0.00 0.00 0.00 8500.00 25.00 246.74 8088.97 -768.03 -1787.18 1945.22 0.000.00 0.00 0.00 8600.00 25.00 246.74 8179.60 -784.72 -1826.00 1987.48 0.00 0.00 0.00 0.00 8700.00 25.00 246.74 8270.23 -801.40 -1864.83 2029.74 246.74 -1903.66 0.00 0.00 0.00 8800 00 25.00 8360.87 -818.09 2072 00 -1942.49 0.00 0.00 0.00 8900.00 25.00 246.74 8451.50 -834.78 2114.26 9000.00 25.00 246.74 8542.13 -851.46 -1981.32 2156.53 0.00 0.00 0.00 9100.00 25.00 246.74 8632.76 -868.15 -2020.14 2198.79 0.00 0.00 0.00 9200.00 25.00 246.74 8723.39 -884.83 -2058.97 2241.05 0.00 0.00 0.00 25.00 246.74 8814.02 -901.52 -2097.80 2283.31 0.00 0.00 0.00 9300.00 9400.00 25.00 246.74 8904.65 -918.21 -2136.63 2325.57 0.00 0.00 0.00 8939.29 -924.58 -2151.47 2341.72 0.00 0.00 0.00 DROP 9438 22 25.00 246.74 246.74 -934.65 -2174.90 2367.23 -2.000.00 2.00 9500.00 23.76 8995.56 9600.00 21.76 246.74 9087.76 -949.93 -2210.45 2405.92 -2.000.00 2.00



Company: MILLER, DYER & CO.
Field: UINTAH COUNTY, UTAH
Site: UTE TRIBAL 15-25-14-19

UT 15-25-14-19

Wellpath:

Well:

Date: 2/9/2007 Time: 16:29:41 Site: UTE TRIBAL 15-25-14-19, True North Co-ordinate(NE) Reference:

Vertical (TVD) Reference: SITE 7229.0

Section (VS) Reference: Survey Calculation Method: Well (0.00N,0.00E,246.74Azi)

Minimum Curvature Db: Sybase

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
9700.00	19.76	246.74	9181.26	-963.93	-2243.02	2441.37	-2.00	0.00	2.00	
9800.00	17.76	246.74	9275.94		-2272.57	2473.54	-2.00	0.00	2.00	
9900.00	15.76	246.74	9371.69	-988.02	-2299.07	2502.38	-2.00	0.00	2.00	
00.000	13.76	246.74	9468.38	-998.08	-2322.48	2527.86	-2.00	0.00	2.00	
0100.00	11.76	246.74	9565.91		-2342.78	2549.96	-2.00	0.00	2.00	
0200.00	9.76	246.74	9664.14		-2359.94	2568.63	-2.00	0.00	2.00	
0300.00	7.76	246.74	9762.97	-1020.19	-2373.94	2583.87	-2.00	0.00	2.00	
10400.00	5.76	246.74	9862.27		-2384.76	2595.65	-2.00	0.00	2.00	
0500.00	3.76	246.74	9961.92		-2392.39	2603.95	-2.00	0.00	2.00	
0600.00	1.76	246.74	10061.80		-2396.82	2608.77	-2.00	0.00	2.00	
0688.22	0.00	246.74	10150.00	-1030.56		2610.13	-2.00	0.00	2.00	DAKOTA SILT
10700.00	0.00	246.74	10161.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
0800.00	0.00	246.74	10261.78	-1030.56		2610.13	0.00	0.00	0.00	
10900.00	0.00	246.74	10361.78	-1030.56		2610.13	0.00	0.00	0.00	
11000.00	0.00	246.74	10461.78		-2398.07	2610.13	0.00	0.00	0.00	
11100.00	0.00	246.74	10561.78		-2398.07	2610.13	0.00	0.00	0.00	
11200.00	0.00	246.74	10661.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
1300.00	0.00	246.74	10761.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
1400.00	0.00	246.74	10861.78	-1030.56		2610.13	0.00	0.00	0.00	
1500.00	0.00	246.74	10961.78		-2398.07	2610.13	0.00	0.00	0.00	
11600.00	0.00	246.74	11061.78		-2398.07	2610.13	0.00	0.00	0.00	
11700.00	0.00	246.74	11161.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
11800.00	0.00	246.74	11261.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
11900.00	0.00	246.74	11361.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
12000.00	0.00	246.74	11461.78		-2398.07	2610.13	0.00	0.00	0.00	
12100.00	0.00	246.74	11561.78	-1030.56		2610.13	0.00	0.00	0.00	
12200.00	0.00	246.74	11661.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
12300.00	0.00	246.74	11761.78	-1030.56		2610.13	0.00	0.00	0.00	
12400.00	0.00	246.74	11861.78		-2398.07	2610.13	0.00	0.00	0.00	
12500.00	0.00	246.74	11961.78	-1030.56		2610.13	0.00	0.00	0.00	
12600.00	0.00	246.74	12061.78			2610.13	0.00	0.00	0.00	
12700.00	0.00	246.74	12161.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
12800.00	0.00	246.74	12261.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
12900.00	0.00	246.74	12361.78	-1030.56		2610.13	0.00	0.00	0.00	
13000.00	0.00	246.74	12461.78	-1030.56		2610.13	0.00	0.00	0.00	
13100.00	0.00	246.74	12561.78			2610.13	0.00	0.00	0.00	
13200.00	0.00	246.74	12661.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
13300.00	0.00	246.74	12761.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
13400.00	0.00	246.74	12861.78			2610.13	0.00	0.00	0.00	
13500.00	0.00	246.74	12961.78	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	
13538.22	0.00	246.74	13000.00	-1030.56	-2398.07	2610.13	0.00	0.00	0.00	PBHL

#### Annotation

MD ft	TVD ft			
3282.34	3282.34	KOP		
4532.34	4493.05	HOLD		
9438.22	8939.29	DROP		
10688.22	10150.00	HOLD		
13538.22	13000.00	PBHL	 	



Company: MILLER, DYER & CO. Field:

**UINTAH COUNTY, UTAH** UTE TRIBAL 15-25-14-19

UT 15-25-14-19

Date: 2/9/2007 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference:

**Survey Calculation Method:** 

Time: 16:29:41 Site: UTE TRIBAL 15-25-14-19, True North

SITE 7229.0

Well (0.00N,0.00E,246.74Azi)

Db: Sybase Minimum Curvature

Wellpath: **Formations** 

Site:

Well:

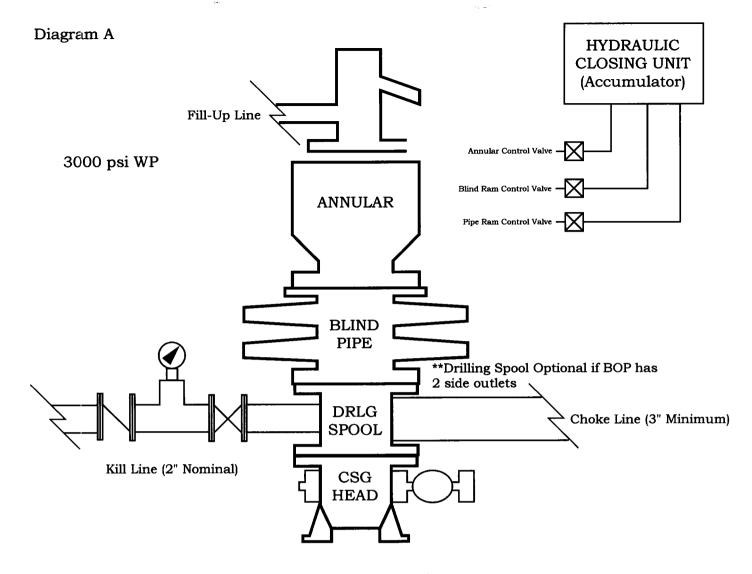
MD TVD **Formations** Lithology Dip Angle Dip Direction

**Casing Points** 

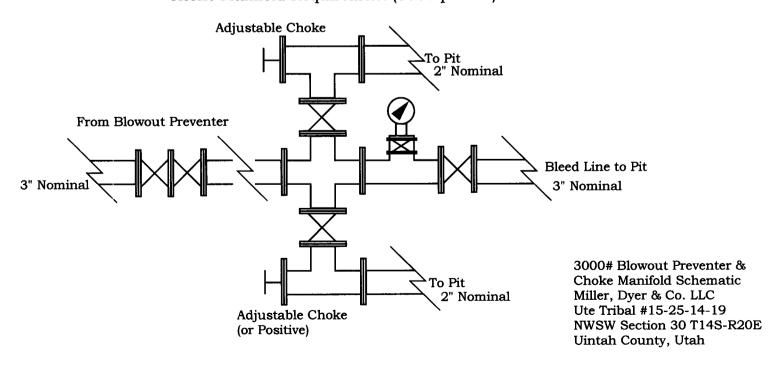
١.	-					
	MD ft	TVD ft	Diameter in	Hole Size in	Name	
	3200.00	3200.00	9.625	12.250	9 5/8" CSG PT	

**Targets** 

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W	Map Northing ft	Map Easting ft	< Latitude> Deg Min Sec	< Longitude> Deg Min Sec
DAKOTA SILT -Circle (Radiu -Plan hit targe	,		10150.00	-1030.56	-2398.07	7015184.212	137405.22	39 33 53.913 N	109 44 13.024 W



Choke Manifold Requirement (3000 psi WP)



# MILLER, DYER & CO. LLC Ute Tribal 15-25-14-19 Section 30, T14S, R20E, S.L.B.&M. (Surface)

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH, FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5460 APPROXIMATELY 3.2 MILES TO WILLOW CREEK. TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION ALONG THE WILLOW CREEK ROAD (COUNTY B ROAD 5120) APPROXIMATELY 2.1 MILES TO ITS INTERSECTION WITH THE AGENCY DRAW ROAD (COUNTY B ROAD 5340). EXIT LEFT AND PROCEED IN A WESTERLY THEN SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5340 APPROXIMATELY 2.5 MILES TO ITS INTERSECTION WITH THE FLAT ROCK ROAD (COUNTY B ROAD 5450). EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG COUNTY B ROAD 5450 APPROXIMATELY 10.9 MILES TO THE FLAT ROCK MESA ROAD. PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.8 MILES TO ITS INTERSECTION WITH THE BLACK KNOLLS ROAD. CONTINUE IN A WESTERLY THEN NORTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.9 MILES TO THE NORTH FORK OF THE FLAT ROCK MESA ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY THEN WESTERLY THEN SOUTHERLY DIRECTION ALONG NORTH FORK OF FLAT ROCK MESA ROAD APPROXIMATELY 2.7 MILES TO A SERVICE ROAD TO THE NORTHWEST. EXIT RIGHT AND PROCEED ALONG SERVICE ROAD APROXIMATELY 375 FEET TO THE EXISTING 30-2A WELL LOCATION. CONTINUE WESTERLY THROUGH THE 30-2A WELL PAD TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 1,190 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 87.8 MILES IN A SOUTHERLY DIRECTION.



PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

# MILLER, DYER & CO. LLC

Ute Tribal 15-25-14-19 SECTION 30, T14S, R20E, S.L.B.&M. 1710' FSL & 407' FWL (Surface)

#### LOCATION PHOTOS

DATE TAKEN: 01-18-07

DATE DRAWN: 01-26-07

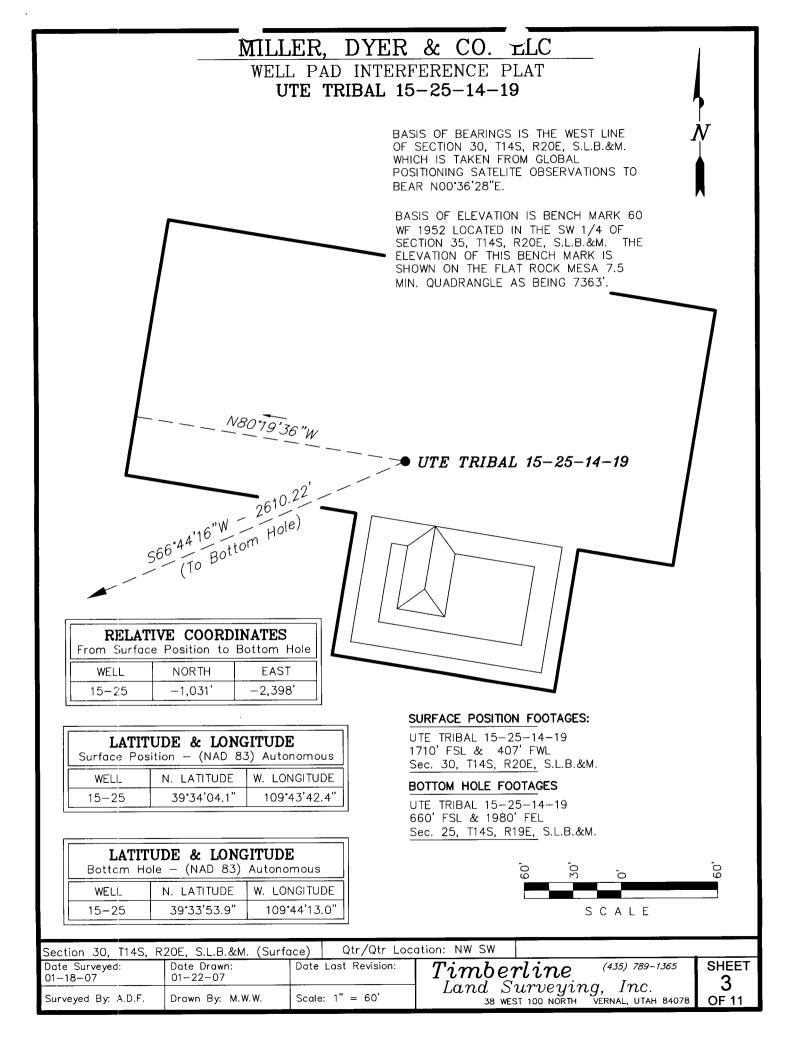
TAKEN BY: A.D.F.

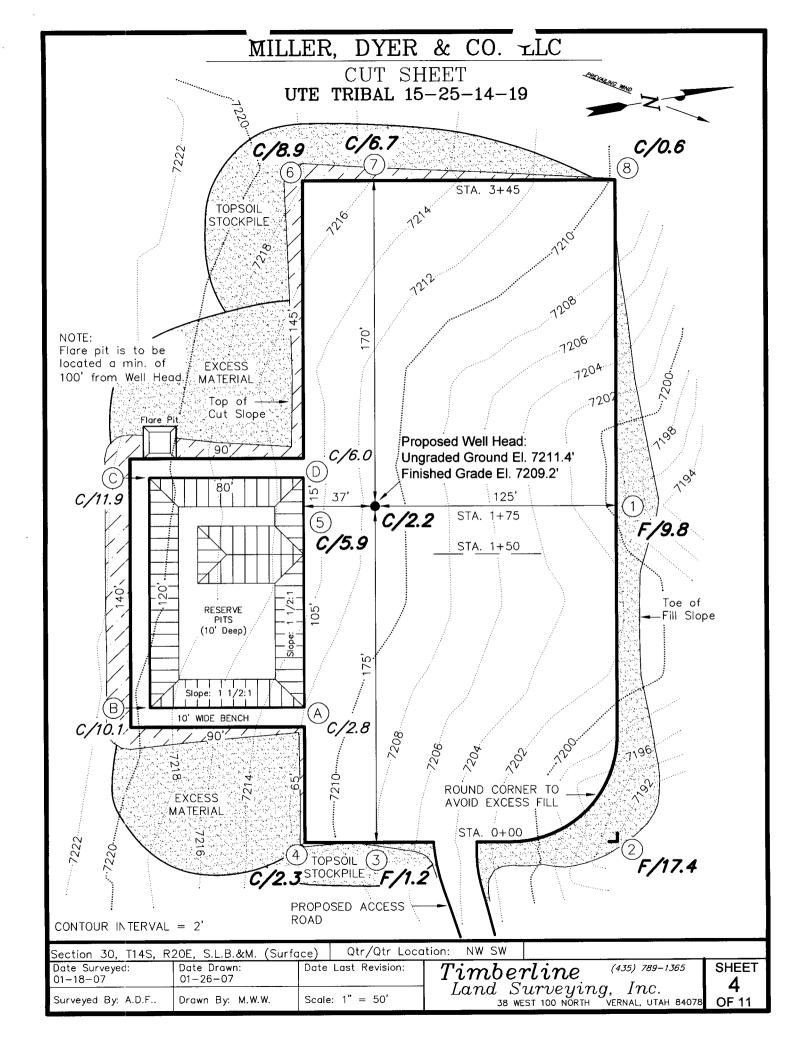
DRAWN BY: M.W.W.

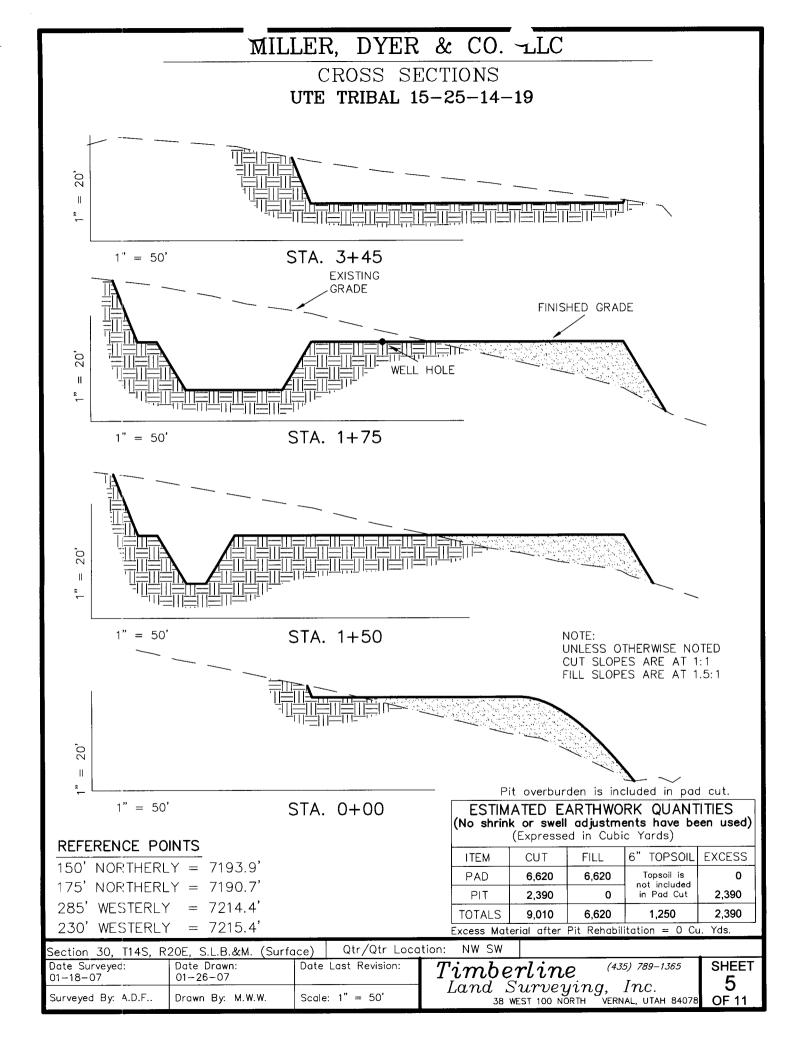
REVISED:

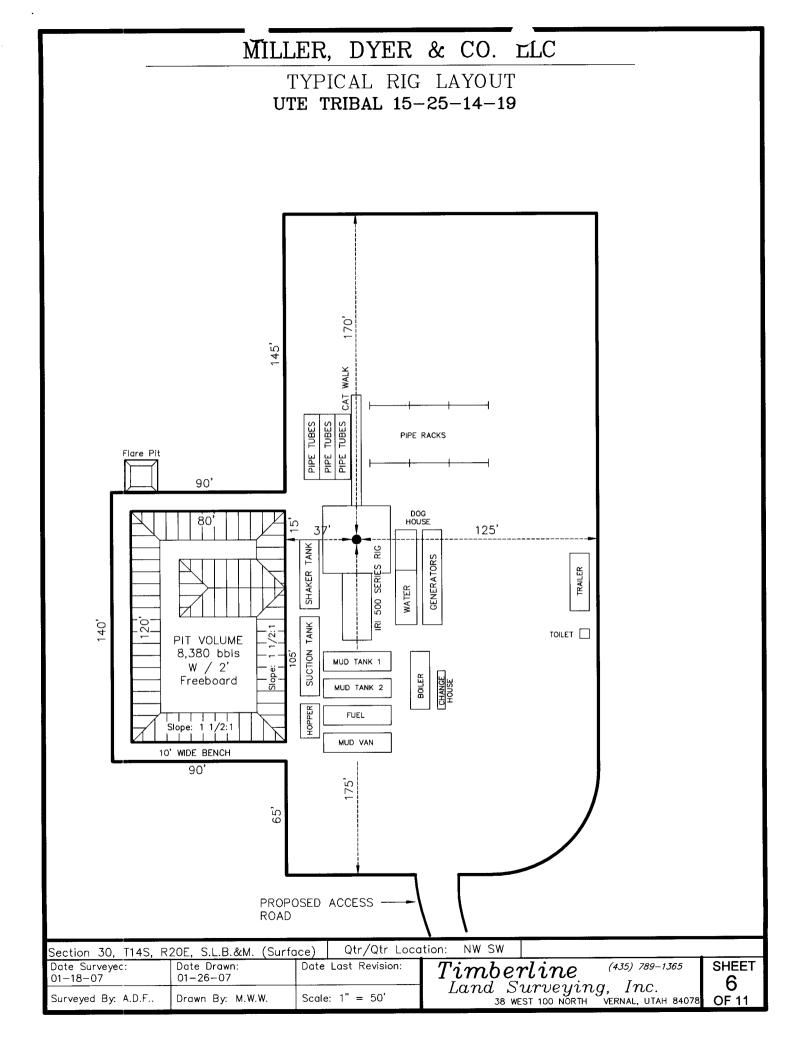
Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

SHEET 1 OF 11

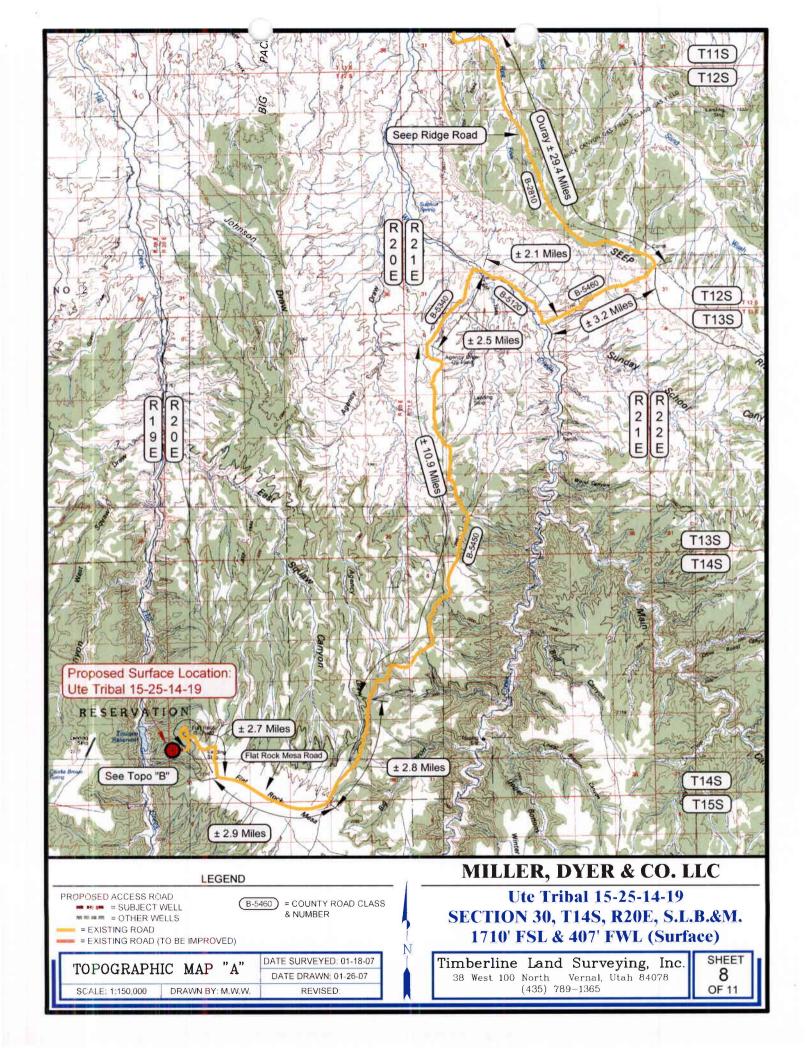


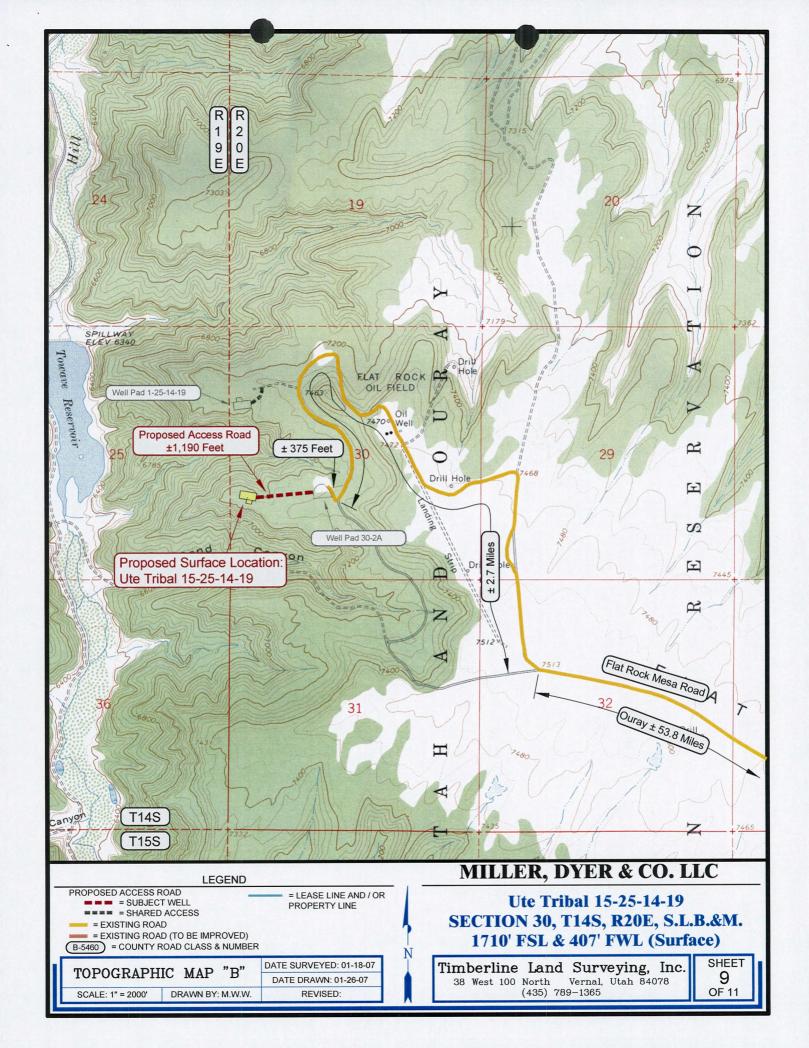


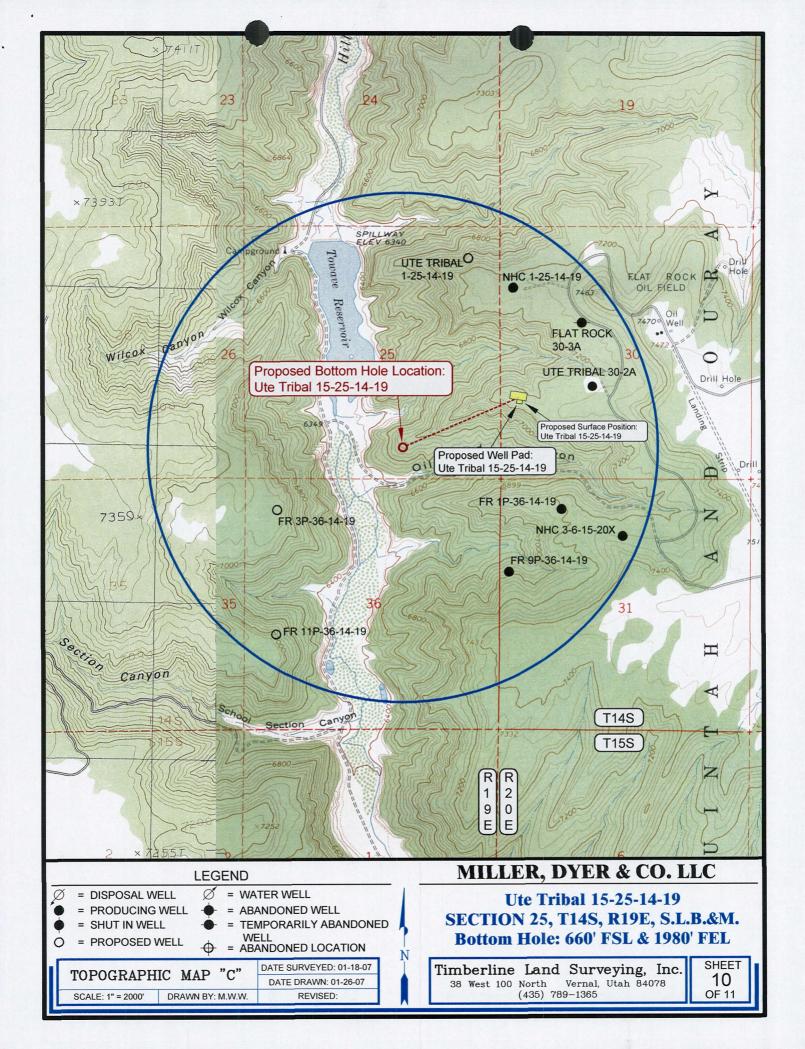


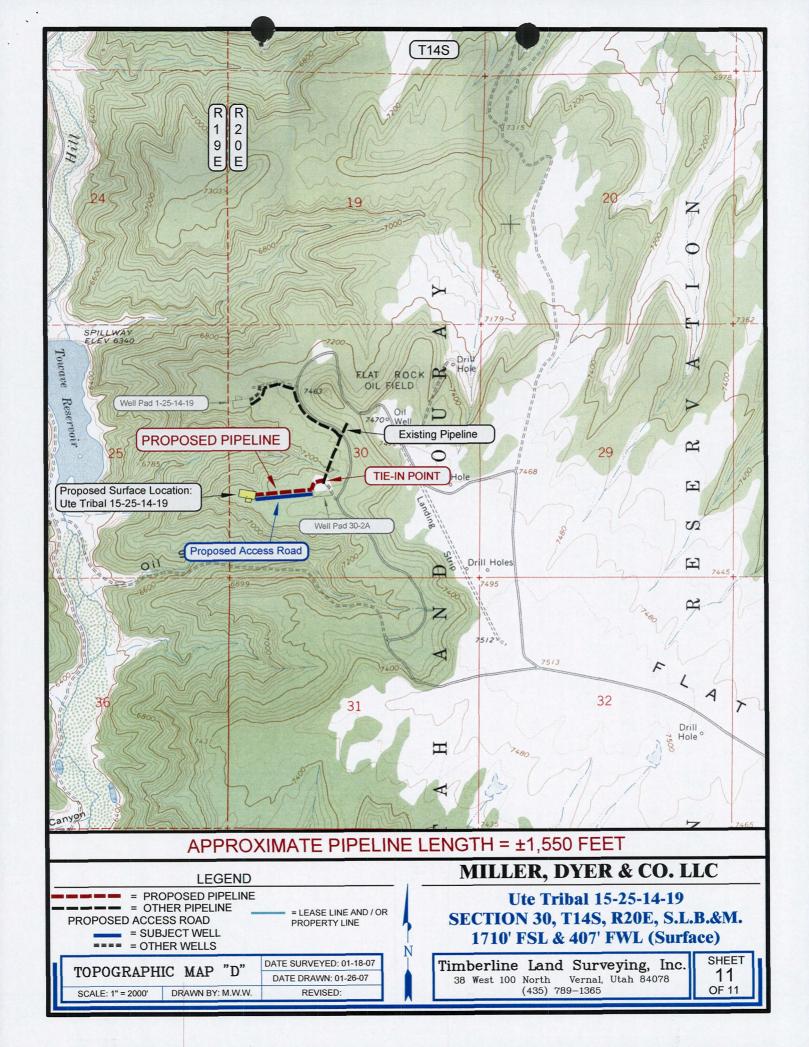


# MILLER, DYER & CO. LLC TYPICAL PRODUCTION LAYOUT UTE TRIBAL 15-25-14-19 Dump Lines Separator, Dehydrator & Metér 2 300 bbl Tanks & Berm Insulated 2" Flow line WELL HEAD PIT AREA Qtr/Qtr Location: NW SW Section 30, T14S, R20E, S.L.B.&M. (Surface) Date Surveyec: 01-18-07 Date Drawn: 01-26-07 Timberline (435) 789-1365 Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 789-1365 Date Last Revision: SHEET Scale: 1" = 50'Surveyed By: A.D.F.. Drawn By: M.W.W. **OF 11**



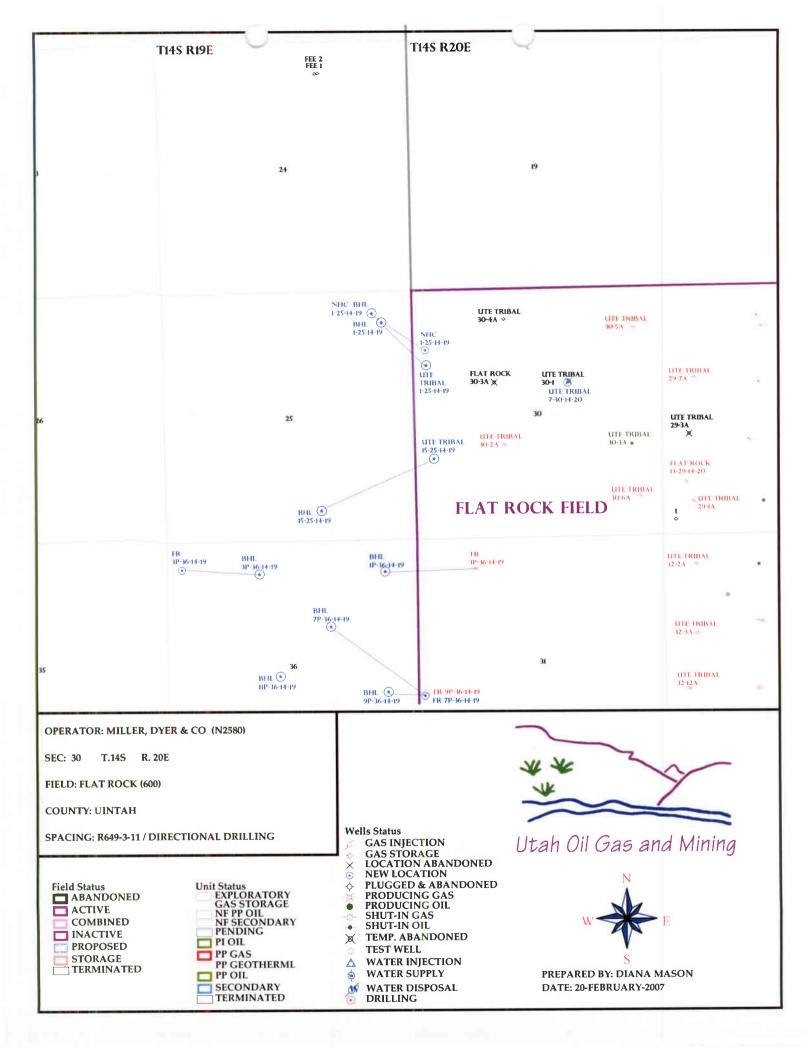






# WORKSHEET APPLICATION FOR PERMIT TO DRILL

	APD RECEIVE	ED: 02/16/2007		API NO. ASSIGNED: 43-047-39052			
	WELL NAME: UTE TRIBAL 15-25-14-19 OPERATOR: MILLER, DYER & CO, LLC ( N2580 )			PHONE NUMBER: 303-292-0949			
		JEFF LANG					
	PROPOSED LOCATION:			INSPECT LOCATN BY: / /			
	NWSW 30 140S 200E				T T		
	• = -	1710 FSL 0407 FWL		Tech Review	Initials	Date	
SWSE		0660 FSL 1980 FEL ℓ 9 E		Engineering			
	COUNTY:	UINTAH		Geology			
	LATITUDE: 39.56777 LONGITUDE: -109.7277						
	UTM SURF	EASTINGS: 609293 NORTHINGS: 43803	349	Surface			
	FIELD NAM	ME: FLAT ROCK ( 600	)				
	LEASE TYPE: 2 - Indian  LEASE NUMBER: 20G0005581  SURFACE OWNER: 2 - Indian			PROPOSED FORMATION: WINGT COALBED METHANE WELL? NO			
=	RECEIVED AN	ND/OR REVIEWED:	LOCATION AND SITING:				
	✓ Plat         ✓ Bond: Fed[] Ind[2] Sta[] Fee[]         (No. RLB0008085 )         № Potash (Y/N)         № Oil Shale 190-5 (B) or 190-3 or 190-13         ✓ Water Permit (No. 14-20-H62- )         № RDCC Review (Y/N) (Date:)         № Fee Surf Agreement (Y/N)		R649-2-3.  Unit: R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit				
			Board Cause No:				
				Eff Date: Siting:			
	<u>M</u> Inter	nt to Commingle (Y/N)	R	R649-3-11. Directional Drill			
COMMENTS:							
	STIPULATIONS: 1- Ledy Opprod 2- Carron St. 2						
	- Sharral, Ohr						
	7						



From:

"David L Allin" <allinpro@bresnan.net>

To:

"Bradley Hill" <bradhill@utah.gov>

Date:

3/2/2007 12:13:53 PM

Subject:

Miller, Dyer & Co UT 1-25-14-19 & UT 15-25-14-19

Mr. Hill:

Del-Rio Resources, Inc. (Del-Rio) is the owner of 100% of the operating rights beneath the top of the Mesaverde Group sediments in BLM Oil and Gas Lease UTU-019837 encompassing all of Section 30, T14S, R20E, SLM and a total of 627.84 acres. The Ute Tribal 1-25-14-19 and Ute Tribal 15-25-14-19 (proposed wells) are planned to allow completions in zones below the top of the Mesaverde Group at locations within the allowable windows of 40 acre tracts under the vertical well location and siting rule (Rules at R649-3-2-1).

Del-Rio has no objection to the issuance of APD's for the proposed wells. However, Del-Rio requests that Miller, Dyer & Co., LLC furnish to Del-Rio, or the Utah DOGM on Del-Rio's behalf, proof in the form of post-construction, directional surveys and completion data that the wells actually conform to the proposed plans. Depending upon the actual, finished trajectories of the proposed wells they could encroach Del-Rio's rights, or possibly in the case of an extremely deviated well bore, be subject to the 660' setback prescribed for horizontal intervals adjacent to the west boundary line of UTU-019837 per the Rules at R649-3-2-3.

The Flat Rock Field and the area of the proposed wells is not currently subject to any spacing orders. The wells completed in zones below the base of the Morrison Formation have been, at various operators' (including Del-Rio's) discretion spaced on lay-down 80 acre tracts. However, due to the orientations of sedimentary depositional porosity trends and fracture trends the actual drainage areas are likely elongated, not perfectly east-west oriented and could influence the petroleum reserve balance beyond the boundaries of the lay-down 80 acre tracts. This is a concern that the Flat Rock Field operators have not addressed in any rigorous fashion in the past, but has become an issue more recently due to a lease ownership dispute between Del Rio and the employers of Miller, Dyer & Co., LLC.

Del-Rio is concerned that a previously constructed well, the Flat Rock 13-29-14-20 in SWSW Section 29, T14S, R20E, SLM was permitted as a vertical well, but was partially drilled with directional tools in an attempt to keep the well within the allowed vertical window. Del-Rio was not furnished any proof that the east boundary of Del-Rio's rights in UTU-019837 has not been encreached under the Rules as a result of the completion of this well (disregarding its actual area of influence). The situation was duplicated with the Flat Rock 3-29-14-20 well in NENW Section 29, T14S, R20E, SLM and that well may have encroached rights owned by Del-Rio in the northerly adjacent Section 20 under BLM Oil and Gas Lease UTU-10164.

This writing is not intended to be a formal complaint related to drainage and encroachment issues. Del-Rio does not wish to impede the construction of the proposed wells in any fashion. Del-Rio is very concerned with preserving and defending its rights from encroachment since it has been constructively barred from developing its rights in UTU-019837 due to ongoing litigation with the employers of Miller, Dyer & Co., LLC. UTU-019837 should have been completely developed by now under different

circumstances. Del-Rio requests and deserves proof that its rights under the Rules have not been violated once the proposed wells are completed. Del-Rio further deserves proof that its rights elsewhere are preserved under the Rules.

Best regards,

Dave

David L. Allin
Del-Rio Resources, Inc. Exploration Manager
AAPG Certified Petroleum Geologist 2934
Utah Licensed Professional Geologist 5526699-2250
dba Allin Proprietary
475 Seasons Drive
Grand Junction, CO 81503-8749
Telephone (970) 254-3114
Telefax (970) 254-3117
<mailto:allinpro@bresnan.net> allinpro@bresnan.net

CC: "Marc T Eckels" <marceckels@windrivercompanies.com>, <jlang@millerdyer.com>



State of Utah

### Department of **Natural Resources**

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

March 5, 2007

Miller, Dyer & Co., LLC 475 17th St., Ste. 1200 Denver, CO 80202

Re:

Ute Tribal 15-25-14-19 Well, Surface Location 1710' FSL, 407' FWL, NW SW, Sec. 30, T. 14 South, R. 20 East, Bottom Location 660' FSL, 1980' FEL, SW SE, Sec. 25, T. 14 South, R. 19 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39052.

Sincerely,

Gil Hunt

Associate Director

Sie Kt

pab **Enclosures** 

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Miller, Dyer & Co., LLC	
Well Name & Number	Ute Tribal 15-25-14-19	
API Number:	43-047-39052 20G0005581	<u> </u>
Surface Location: NW SW  Bottom Location: SW SE	Sec. 30       T. 14 South       R. 20 East         Sec. 25       T. 14 South       R. 19 East	_

#### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

# RECEIVED VERHAL FIELD OFFICE

2007 FEB 16 PM 3: 25

Form 3160-3 (August 1999)

15. Distance from proposed\*

location to nearest

DEPT. OF THE INTERIOR BUREAU OF LAND MGMT

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

Lease Serial No.

20G0005581

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

# **BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL OR REENTER				6. If Indian, Allottee or Tribe Ute Indian Tribe	Name	
la. Type of Work:	1. Type of Work: X DRILL REENTER				7. If Unit or CA Agreement, N N/A	ame and No.
1b. Type of Well:	Oil Well X G	as Well Dother	Single Zone	X Multiple Zone	8. Lease Name and Well No. Ute Tribal 15-25-1	4-19
<ol> <li>Name of Operator         Miller, Dye</li> </ol>	or & Co., LLC				9. API Well No. 43.647,391	052
3a. Address 475 17th St	. Suite 1200 D	enver, CO 80202	3b. Phone No. (include are 303-292-0949	ea code)	10. Field and Pool, or Explorato Flat Rock	гу
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 1710 FSL 407 FWL NWSW (Sec. 30 T14S-R20E) At proposed prod. zone 660 FSL 1980 FEL SWSE (Sec. 25 T14S-R19E)			11. Sec., T., R., M., or Blk. and Sec. 25, T14S, R19E	•		
4. Distance in miles and direction from nearest town or post office*  See Topo Map "A" (Attached)				12. County or Parish Uintah	13. State Utah	

660' property or lease line, ft. 640 40 (Also to nearest drig. unit line, if any) 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location\* to nearest well, drilling, completed,

3960' UTB000058 applied for, on this lease, ft. 13,538' 22. Approximate date work will start\* 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 23. Estimated duration 1-1/2 Month 7411' GL 06/01/2007

24. Attachments

16. No. of Acres in lease

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

17. Spacing Unit dedicated to this well

- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed) Jeffrey H. Lang	Date /15/67
Vice President of Operations		, ,
Approved by (Signature)	Name (Printed/Typed)  JERRY KENCEKA	Date
And Konnet	JERRY KENCEKA	3-28-2007
Title Lands & Mineral Resources	VERNAL FIELD OFFICE	E

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

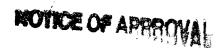
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

# ALS OF APPROMALE

MAR 3 0 2007

DIV. OF OIL, GAS & MINING





# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE VERNAL, UT 84078

435-781-4400



### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Miller Dyer & CO., LLC

Location:

NWSW, Sec. 25, T14S, R19E

Well No:

Ute Tribal 15-25-14-19

Lease No:

20G0005581

API No: 43-047-39052

Agreement:

N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Melissa Hawk	435-781-4476	435-828-7381
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	435-828-7481
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	
After Hours Contact Number: 435-	781-4513	Fax: 435-781-4410	

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations 43 CFR Part 3160, and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

### **NOTIFICATION REQUIREMENTS**

Location Construction Notify Environmental Scientist	-	Forty-Eight 48 hours prior to construction of location and access roads.
Location Completion Notify Environmental Scientist	-	Prior to moving on the drilling rig.
Spud Notice Notify Petroleum Engineer	-	Twenty-Four 24 hours prior to spudding the well.
Casing String & Cementing Notify Supv. Petroleum Tech.	-	Twenty-Four 24 hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests Notify Supv. Petroleum Tech.	-	Twenty-Four 24 hours prior to initiating pressure tests.
First Production Notice Notify Petroleum Engineer	-	Within Five 5 business days after new well begins or production resumes after well has been off production for more than ninety 90 days.

Page 2 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

# SURFACE USE PROGRAM CONDITIONS OF APPROVAL COAs

#### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

#### **Specific Surface COAs**

- Paint production equipment Olive Black.
- A 55 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archeologist accompanied by a Tribal Technician will monitor construction of pipelines. If pipelines are buried, Right-of-Way must be modified to reflect that with Agency Superintendent approval.
- The Ute Tribe Energy and Minerals Department is to be notified, in writing 48 hours prior to the construction.
- Construction Notice shall be given to the Ute Tribe Energy and Minerals Department Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that all contractors including subcontractors, leasing contractors, etc. have acquired a current and valid Ute Tribal Business License and have Access Permits prior to construction, and will have these permits in vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications, the Company will notify the Ute Tribe
  and the BIA in writing, and will receive written authorization of any such change with appropriate
  authorization (Agency Superintendent).
- The Company will implement and have available upon request a "Safety and Emergency Plan."
   The Company's safety director will ensure its compliance.
- All Company Employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permissions/authorizations on their person(s) during all phases of construction.

Page 3 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

- All vehicular traffic, personnel movement, construction/restoration operations should be confine
  to the area examined and approved, and to existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and disturbing any significant cultural resources in the area.
- Ute Tribe Energy and Minerals Department shall be notified immediately should any cultural remains from sub-surface deposits be exposed or identified during construction. All construction activities will immediately cease.
- All mitigative stipulations contained in the BIA Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-of-Way, the Company will notify the Ute Tribe Energy and Minerals Department so a Tribal technician can verify Affidavit of Completion.
- Secondary containment must be adequate.
- Berm entire location from corner #8 to corner #10 to keep fluids on location.
- Paint all tanks and equipment juniper green or equivalent to blend with the surroundings.
- Use appropriate pipeline crossings to access road.
- Use silt catchment structure where horse trail crosses access road to prevent further erosion.

Page 4 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

#### **DOWNHOLE CONDITIONS OF APPROVAL**

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- All BOPE shall be 3M, including the choke manifold, and tested to 3M.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe and a CBL shall be run from TD to the top of cement.
- A complete set of angular deviation and directional surveys of this directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
  daily drilling report. Components shall be operated and tested as required by Onshore Oil &
  Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
  performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
  reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
  is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
  Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person

Page 5 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a
  weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is
  completed.
- A cement bond log CBL will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written
  communication and must be received in this office by not later than the fifth business day
  following the date on which the well is placed on production. The notification shall provide, as a
  minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - o Well name and number.
  - o Well location ¼¼, Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - o The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will
  be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be
  reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
  Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
  Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data

Page 7 of 7 Well: Ute Tribal 15-25-14-19 3/26/2007

obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
  Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports shall be
  submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
  standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
  measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
  to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
  first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
  adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
  sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
  before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

# DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Con	npany:	MILLER, DYER & CO, LLC						
Well Name:_			UTE T	'RIBA	L 15-25-1	4-19		
Api No <u>:</u>	43-047-39	052			Lease Ty	pe:	INDIAN	
Section 30	_Township_	14S	_Range_	20E	_County	U	INTAH	
Drilling Cont	ractor	PA	TTERS	ON_	R	ug#_	180	
SPUDDE	<b>D:</b> Date	05	/06/07		_			
	Time				_			
	How	R	OTARY		-			
Drilling wi	ll Commer	ice:				···		
Reported by_		R	ON CH	<u>APAN</u>				
Telephone #_		(;	<u>307) 212</u>	-4620				
Date	05/07/07			Sign	1ed	CHD		

FORM 3160-5

(June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPR	OVED

Buagea	Bureau	NO.	1004-01

Expires March 31, 1993

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

SOUDK! NO HOLO AND INCH ON WELLO
Do not use this form for proposals to drill or deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT -" for such proposals

SHINDRY NOTICES AND DEDORTS ON WELLS

Lease Designation and Serial No.
 20G0005581

SUBMIT IN 1	7.	If unit or CA, Agreement Designation	
1. Type of Well		<b>—</b>	N/A
Oil Well X Gas well Other		8.	Well Name and No.
2. Name of Operator		L	Ute Tribsal 15-25-14-19
Miller, Dyer & Co. LLC		9.	API Well No.
Address and Telephone No.		<u> </u>	4304739052
	r Co 80202	10.	Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		<u> </u>	Flat Rock
1710 fsl 407 fwl		11.	County or Parish, State
NWSW 30 14S 20E S			Uintah, UT
12 CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, RE	PORT. OR (	OTHER DATA
TYPE OF SUBMISSION	TYPE OF A		
Notice of Intent	Abandonment	X	Change of Plans
	Recompletion	一	New Construction
X Subsequent Report	Plugging Back	一	Non-Routine Fracturing
	Casing repair		Water Shut-off
Final Abandonment Notice	Altering Casing		Conversion to Injection
_	Other	□	Dispose Water (Note: Report results of multiple completion on Well
13. Describe Proposed or Completed Operations (Clearly state all pert	nent details, and give pertinent dates, including estimated date	of starting any propo	Completion or Recompletion Report and Log form.)
	rtical depths for all markers and zones pertinent to this work).	or ottaining array propo	
Miller, Dyer and Co. LLC wishes to inform yo	u of two changes that have been made to the	he original wel	ls plans submitted with
the APD.			
<u>5/19/2007</u>			
The 12-1/4" surface portion of this hole was			
this depth, the drilling rig (Patterson Rig #180			
pump, the necessary pump rate needed to o			
be drilled deeper. The estimated repair time	was substantial. Therefore the decision was	as made to cea	ase drilling the surface
hale at this point and proceed to run and cen	pent the surface casing. On 5/19/07. Ron C	hanin receive	d verbal approval from

to this depth. 5/22/2007

The original wells plans called for utilizing a 11", 3000# BOP (blowout preventer). A 13-5/8", 5000# BOP will be utilized instead as this is what is currently supplied with Patterson Rig #180. Ron Chapin informed James Ashley of this change on 5/21/07. The testing procedure for a 5000# BOP will now be followed.

Michael Lee and James Ashley to set the 9-5/8" surface casing at 3170'. The casing was then run and cemented successfully

14. I hereby certify that the foregoing is true and correct Signed	Title	Vice President of Operations	Date 5/22/07	
	······································			
(This space of Federal or State office use.)			O.K. DKD	
Approved by	Title		Date	
Conditions of approval, if any:				

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.

MAY 2 5 2007

# STATE OF UTAH

OIAIL OI OIAII
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

		-	ENTITY ACTIO	NFORM				
Operator:	Miller, I	Oyer & Co. LLC		_ Оре	rator Ac	count Nu	ımber: _l	V 2580
Address:	475 17	th St. Suite 1200		_			•	
	city De	nver						
	state C	0	zip 80202	_	P	hone Nu	mber: _	(303) 292-0949
Well 1						,		
API Nu	ımber		Name	QQ	Sec	Twp	Rng	County
43047	39052	Ute Tribal #15-25-14	-19	NWSE	30	148	20E	Uintah
Action	Code	Current Entity Number	New Entity Number	S	pud Da	te		ity Assignment iffective Date
A	\	99999	16/69		5/10/200	7	6/1	4/07
Commen		x 25 R19		11)/N	GT	•		
BHL	<u>- ,                                   </u>	was jen	2 300 42			··; ·······		
Well 2								
API Nu	ımber	Well	Name	QQ	Sec	Twp	Rng	County
					el l'accommissioner en ex	mananananan Sastajah (Sas	sia-unonomento	
Action	Ćode	Current Entity Number	New Entity Number	S	pud Dat	te		ity Assignment ffective Date
Commen	ts:							
			, , , , , , , , , , , , , , , , , , , ,					
Well 3								
API Nu	ımber	Well	Name	QQ	Sec	Twp	Rng	County
Action	Code	Current Entity Number	New Entity Number	S	pud Dat	e ·		ity Assignment ffective Date
		Number	Number				•	inective Date:
Commen	ts:							
<u>,</u>								
TION CODE		entity for new well (single	well only)	Jef	frey H. L	ang		
B - Add	new well to	existing entity (group or	unit weli)	Nam	e (Plefse			
D - Re-a	ssign well	from one existing entity to from one existing entity to	o a new entity	Sign	aryfe)	"		A IF ICC.
E - Othe	er (Explain i	n 'comments' section)	RECEIVED	VP (	6f <sup>4</sup> Opera	ations		6/5/2007

(5/2000)

JUN 0 5 2007

Title

Date

#### NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that.

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- ➤ Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - · A copy of electric and radioactivity logs, if run
  - · A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - · A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division	on has not received the requi	red reports for
Operator: Miller, Dryer & Co, LLC	Today's	Date: 09/18/2007
Well:	API Number:	Drilling Commenced:
Ute Tribal 15-25-14-19 drlg/wcr	4304739052	05/06/2007

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

P.O. Box 145801

Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: Well File Compliance File

Form 3160-4 (August 2007)

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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,					. 4						

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

5. Lease Serial No.

#### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

											200	30005	581	
la. Type of b. Type of	Well Completion	∐Oil : <b>Z</b> Ne		Gas Well Work Over	Dry Deepen D	Other Plug Back	Diff	. Resvr.,		<del></del>	Ute	Indiar	, Allottee or '	
		Oth	er:								7. U N/A		CA Agreemer	nt Name and No.
2. Name of	Operator										8. L	ease N	ame and Well	
Miller, Dye							Di	T- G1	do			Tribal FI We	15-25-14-1	.9
3. Address	475 17th St	Suite 1200	, Denver,	CO 80202			Phone N 3-292-0		de area cod	e)		47390		
4. Location	of Well (R	eport <b>loc</b> a	tion clea	rly and in accor	dance with Federa	l requirements	)*				Flat	Rock		<u> </u>
At surfac	e 1710 FS	SL 407 F	WL NW	SW, Sec 30 1	Г14S-R20E						11.	Sec., T. Survey	., R., M., on E or Area Sec.	Block and 25, T14S-R19E SLB&M
At top pro					EL SWSE, Sec	25 T14S-R1	9E						or Parish	13. State
At total d	opui	SL 201		WSE, Sec 25							Uint			
14. Date Sp 05/10/200				Date T.D. Reach 05/2007	ed		te Comp D & A		9/27/2007 eady to Prod			Elevati 9 KB	ons (DF, RK	B, RT, GL)*
18. Total D	epth: MD	12,26	0			4D 12,176	<u> </u>		0. Depth B		g Set:	MD		
21 True E		D 11,75		Run (Submit co		VD 11,667			2. Was we	Il cored?	<b>✓</b> N	TVD	Yes (Submi	t analysis)
ACRt, DS	N/SDL, W	ST, GR,	SP, CB	L CCL	VDL				Was DS		Z N	lo 🗀	Yes (Submi Yes (Submi	t report)
	T -			strings set in we		Stage Cem	enter	No. o	f Sks &	Shire	y Vol.		<del></del> 1	
Hole Size	Size/Gra	ade W	t. (#/ft.)	Top (MD)	Bottom (MD)	Depth			of Cement		BL)	Cer	nent Top*	Amount Pulled
30"	20"			0	40	<u> </u>						<u> </u>	(0.0)	
12-1/4"	9-5/8" J			0	3,170	<del>_</del>		804s: F	Pr Lt/Cl G	372 bb	·I	surfa	ce (CIR)	
7.875				0	2,510	<del>-</del>								
	5-1/2" N			2,510	9,929	40.070		4005	D. 1411	704 1-1-		2.050	V (ODL)	
	5-1/2" P	-110 17		9,929	12,253	10,270		1395s:	Prui	724 bb	<u>'</u>	3,952	2' (CBL)	
24. Tubing	Record					J	1					<u> </u>		
Size		Set (MD)	Packe	r Depth (MD)	Size	Depth Set	(MD)	Packer D	epth (MD)	Si	ze	Dep	oth Set (MD)	Packer Depth (MD)
2-7/8"	11,64		<u> </u>						1					<u> </u>
25. Produci	ng Intervals Formation			Тор	Bottom		ration Frated Int			Size	No. I	Holes		Perf. Status
A) Entrada		<u> </u>	1	1,644	11,930	11,650-11				" entry	24		Open	
B) Entrad	a		11	1,644	11,930	11,665-11	,679		0.42	" entry	56		Open	
C) Entrada				,644	11,930	11,727-11			0.42	" entry	76		Open	
D) Entrada			1	,644	11,930	11,768-11	,789		0.42	" entry	84		Open (ad	ld'I zone in remarks)
27. Acid, F			ement Sq	ueeze, etc.										
	Depth Inter	val		00 mal 7 F0/ I	HCI acid w/ 400 I	hall acalara			nd Type of I		20/40 pr		ot on 0/22/0	
11,727-11 11,650-11	·				of 20/40 proppa			9/U/, FI	10 W/ 107,0	JUU# UI	20/40 pi	орран	11 011 9/22/0	<u> </u>
11,000-11	,013			ac w/ 40,000n	- 01 20/40 ргорре	311011 3/22/0	<u>'</u> -							<u> </u>
													<u> </u>	
28. Product	ion - Interva	al A												
Date First Produced	Test Date	Hours Tested	Test Produc	Oil etion BBL			Oil Grav Corr. AP		Gas Gravity		duction M		at with all zo	ones (A-E) flowing up
10/12/07	0/05/07	lesieu	110000	buon bbl	IVIC1	DL	. Л. Л.	•	Giavity	1 1	oing	OW IGS	st with an 20	nies (A-L) nowing up
Choke	9/25/07 Tbg. Press.	Cea	24 Hr.	Oil	Gas W	/ater (	Gas/Oil		Well Stat	119				
Size	Flwg.	Press.	Rate	BBL		1	Ratio		1		all five i	interva	ils	
16	SI 2250	2250	-	<b>▶</b>	3300		330 M	CF/bbl		•				
28a. Produc	<u> </u>				10000									
Date First		Hours	Test	Oil			Dil Grav		Gas	Pro	duction M	lethod		
Produced		Tested	Produc	etion BBL	MCF B	BL	Corr. AP	1	Gravity			F-,	~	(ED
Choke Size	Tbg. Press Flwg. SI	Csg Press	24 Hr. Rate	Oil BBL			Gas/Oil Ratio		Well Stat	us		D	EC 14	2007
*(0			m 0 d 371	ol data ar							<u>.</u>	· <del></del>	<del>( )</del>	C ROSEG
T(See insti	ructions and	spaces to	r additio	nal data on page	4)								-	ST TREES TO THE

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

	iction - Inte	rvar C					<del></del>			
Date First Produced	Test Date 8/30/07	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method Post-acid, pre-frac flow test C, D and E	up tubing of intervals
Choke	Tbg. Press.		24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	· <del></del>	
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio			
16 28c Produ	400 oction - Inte	l rval D		<u></u>	588	<u> </u>	330 MCF/bbl			
Date First Produced		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<u> </u>	
29. Dispos Sold	ition of Gas	Solid, use	ed for fuel, ver	nted, etc.)	<u> </u>	<u>L</u>	<u>l</u>			
30. Summ	ary of Poro	us Zones (	Include Aqui	fers):				31 Formatio	on (Log) Markers	<u> </u>
Show a	Il important	zones of p	orosity and co	ontents ther	eof: Cored into open, flowing					
										Тор
Forn	nation	Тор	Bottom		Descrip	otions, Contents	s, etc.		Name	Meas. Depth
Wasatch Mesaverde		3,100 4,197	4,197 6,255	Gas/Wat				Green River Wasatch	-	0 3,100
Castlegate Mancos		6,255 6,442	6,422 10,609	Sandstor Sand/Sh				Measaverde		4,197
Dakota Grou Morrison	ηÞ	10,609 10,985	10,985 11,644	Sand/Shand/Shand/Shand/Shand				Castlegate		6,255
Entrada Carmel		11,644 11,930	11,930 12,002	Gas San Shale	d			Dakota		10,609
Kayenta Wingate		12,002 12,170	12,170 TD	Gas/Wat Gas/Wat				Morrison		10,985
		į						Entrada		11,644
								Wingate		12,170
		s (include)	plugging proc	edure):						
Additiona										
E) Entrad	da; Top: 1	1,644; Bo	ttom: 11,93	0; Perfora	ted Interval:	11,811-11,82	22; Size: 0.42" en	try, No. Hole	s: 44; Perf Status: Open	
PLEASE	TREAT T	HIS WEL	L AS CONF	IDENTIA	L					
33. Indica	te which ite	ms have be	en attached b	y placing a	check in the ap	propriate boxe	s:			
<b>Z</b> Elec	trical/Mecha	mical Logs (	(1 full set req'o	<b>1</b> .)	☐ Ge	ologic Report	DST Repo	ort	☑ Directional Survey	
Sun	dry Notice fo	n plugging i	and cement ver	ification	☐ Co	re Analysis	Other: C	ement Bond	Log	
34. I herel	y certify th	at the foreg	oing and atta	hed inform	nation is compl	ete and correct	as determined from	all available re	cords (see attached instructions)*	
N	ame (please	print fef	frey H. Lan	3			Title Vice Presid	ent of Opera	tions	
Si	gnature	-/// <sub>1</sub>	N 5				Date 12/13	2/07		
					1212, make it a			nd willfully to r	nake to any department or agency	of the United States any

(Continued on page 3) (Form 3160-4, page 2)

#### INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

#### NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.





# **Weatherford**\*

# **Drilling Services**

## **FINAL SURVEY**

# MILLER, DYER & COMPANY, LLC

**UTE TRIBAL 15-25-14-19** 

**UINTAH COUNTY, UTAH** 

WELL FILE: PLAN 1

JULY 16, 2007

Weatherford International, Ltd. 15710 John F. Kennedy Blvd., Suite 700 Houston, Texas 77032 USA +1.281.260.1300 Main +1.281.260.4730 Fax www.weatherford.com

### MILLER, DYER & CO, LLC

UTE TRIBAL 15-25-14-19 **SHL SEC 30-T14S-R19E** 1710' FSL, 407' FWL UINTAH COUNTY, UTAH



Magnetic Field Strength: 52515nT Dip Angle: 65.60° Date: 4/24/2007 Model: bggm2006

500

TOTAL CORRECTION TO TRUE NORTH: 11.65°

					SECTION D	ETAILS				
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8581.00	21.81	247.90	8162.02	-788.00	-1837.24	0.00	0.00	1999.10	
2	8757.93	20.12	246.46	8327.23	-812.51	-1895.60	1.00	-163.80	2062.39	
3	9291.58	20.12	246.46	8828.33	-885.80	-2063.87	0.00	0.00	2245.93	
4	10524.70	4.70	246.74	10029.00	-991.08	-2306.19	1.25	179.91	2510.13	
5	10660.93	3.00	246.74	10164.92	-994.69	-2314.60	1,25	180.00	2519.28	
6	12350.68	3.00	246.74	11852.36	-1029.61	-2395.85	0.00	0.00	2607.72	PBHL

FORMATION TOP DETAILS										
No.	TVDPath	MDPath	Formation							
1	10410.00	10918.15	MORRISON							
2	11016.00	11524.28	ENTRADA SS							
2	11490.00	11998.66	WINGATE							

CASING DETAILS

No. TVD

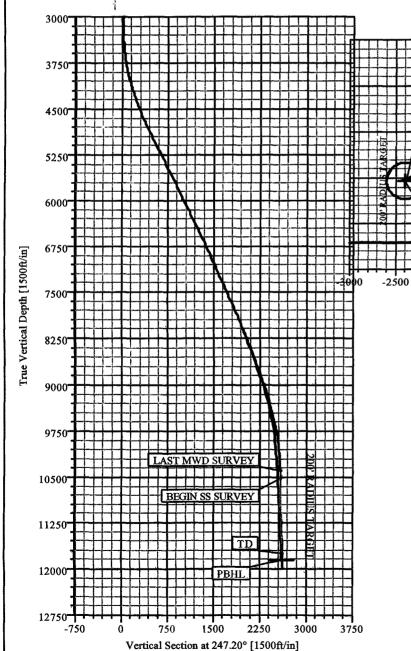
MD

Name

Size

No casings on this wellpath.

**KB ELEVATION: 7229**° **GR ELEVATION: 7209'** 



## -1500 **†**-2000 500 -2000 -1500 -1000 -500 West(-)/East(+) [1000ft/in] FIELD DETAILS

#### UINTAH COUNTY, UTAH

Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone Magnetic Model: bggm2006

System Datum: Mean Sea Level Local North True North

#### SITE DETAILS

UTE TRIBAL 15-25-14-19 SHL 1710' FSL 407' FWL SECT 30-T14S-R19E

Site Centre Latitude: 39°34'04.100N Longitude: 109°43'42.400W

Ground Level: 7209.00

Positional Uncertainty: 0.00 Convergence: 1.13



Survey: Survey #2 (UT 15-25-14-19/1)

Created By: Robert Vialpando

Date: 7/16/2007

### **Survey Report**

Company: MILLER, DYER & CO.

Field: UINTAH COUNTY, UTAH UTE TRIBAL 15-25-14-19 Site:

Well: UT 15-25-14-19

Wellpath: 1

Date: 7/17/2007 Time: 08:13:16

Page: Co-ordinate(NE) Reference: Site: UTE TRIBAL 15-25-14-19, True North Vertical (TVD) Reference: SITE 7229.0

Vertical (TVD) Reference:

Well (0.00N,0.00E,247.20Azi) Section (VS) Reference:

Survey Calculation Method: Minimum Curvature Db: Sybase

UINTAH COUNTY, UTAH Field:

Map Systemids State Plane Coordinate System 1983

Geo Datum GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Site Centre Coordinate System: Geomagnetic Model: bggm2006

Site: UTE TRIBAL 15-25-14-19

SHL 1710' FSL 407' FWL SECT 30-T14S-R19E

0.00 ft

Site Position: From: Geographic

Position Uncertainty:

Well:

Northing: 7016262.06 ft

2139782.41 ft Easting:

Latitude: Longitude:

39 4.100 N 42.400 W 109

North Reference: Grid Convergence:

True 1.13 deg

7209.00 ft Ground Level: UT 15-25-14-19

Slot Name:

+E/-W

Well Position:

Wellpath: 1

0.00 ft Northing: 7016262.06 ft 0.00 ft Easting: 2139782.41 ft

Latitude: Longitude:

39 4.100 N 34 109 43 42.400 W

Position Uncertainty:

0.00 ft

**Drilled From:** 

Tie-on Depth:

Surface 0.00 ft

Current Datum: SITE Magnetic Data: 4/24/2007 Field Strength:

+N/-S

52515 nT Vertical Section: Depth From (TVD)

ft

0.00

Height7229.00 ft

+N/-S

Above System Datum: Mean Sea Level Declination:

11.65 deg

Mag Dip Angle: +E/-W

65.60 deg Direction

deg ft ft 0.00 0.00 247.20

Survey Program for Definitive Wellpath

Date: 7/16/2007 Actual From To

Validated: No Survey

Version: 3 Toolcode

Tool Name

ft ft 3185.00 10903.00

12260.00

Survey #1 (3185.00-10903.00) Survey #2 (11016.00-12260.00)

MWD SS SURVEYS

MWD - Standard

**ISCWSA** 

11016.00 Survey

MD ft	Incl deg	Azim deg	TVD	+N/-S ft	+E/-W ft	VS ft	DLS deg/100	Build	Turn ft deg/100ft	Tool/Comment
<del></del>										<del></del>
0 00	0 00	246 74	0 00	0.00	0.00	0 00	0.00	0.00	0.00	TIE LINE
3185.00	0.94	250.40	3184.86	-8.76	-24.61	26.09	0.03	0.03	0.00	MWD
3202.00	1.06	246.03	3201.85	-8.87	-24.89	26.38	0.84	0.71	-25.71	MWD
3234.00	1.06	242.78	3233.85	-9.13	-25.42	26.97	0.19	0.00	-10.16	MWD
3265.00	1.00	244.65	3264.84	-9.38	-25.92	27.53	0.22	-0.19	6.03	MWD
3297.00	1.00	239.90	3296.84	-9.64	-26.41	28.09	0.26	0.00	-14.84	MWD
3329.00	1.06	236.65	3328.83	-9.94	-26.90	28.65	0.26	0.19	-10.16	MWD
3359.00	1.19	235.90	3358.83	-10.27	-27.39	29.23	0.44	0.43	-2.50	MWD
3390.00	2.25	239.78	3389.81	-10.75	-28.19	30.15	3.44	3.42	12.52	MWD
3419.00	3.25	244.90	3418.78	-11.39	-29.42	31.54	3.55	3.45	17.66	MWD
3455.00	3.81	246.15	3454.71	-12.31	-31.44	33.75	1.57	1.56	3.47	MWD
3485.00	4 25	246.65	3484.64	-13.15	-33.37	35.86	1.47	1.47	1.67	MWD
3516.00	4.69	246.78	3515.54	-14.10	-35.59	38.28	1.42	1.42	0.42	MWD
3552.00	5.06	246.53	3551.41	-15.32	-38.40	41.34	1.03	1.03	-0.69	MWD
3583.00	5.31	246.40	3582.29	-16.44	-40.97	44.14	0.81	0.81	-0.42	MWD
3613.00	6.19	246.78	3612.13	-17.63	-43.73	47.14	2.94	2.93	1.27	MWD
3648.00	7.06	248.78	3646.90	-19.15	-47.47	51.18	2.57	2.49	5.71	MWD
3677.00	7 88	248.53	3675.65	-20.52	-50.98	54.95	2.83	2.83	-0.86	MWD
3706.00	8 38	248.15	3704.36	-22.04	-54.79	59.05	1.73	1.72	-1.31	MWD
3742.00	8.56	249.28	3739.97	-23.96	-59.73	64.35	0.68	0.50	3.14	MWD
3772.00	9.06	251.40	3769.62	-25.51	-64.06	68.94	1.99	1.67	7.07	MWD
3805.00	9.69	251.90	3802.18	-27.20	-69.16	74.29	1.92	1.91	1.52	MWD

### **Survey Report**

Company: MILLER, DYER & CO.
Field: UINTAH COUNTY, UTAH
Site: UTE TRIBAL 15-25-14-19
Well: UT 15-25-14-19

Wellpath: 1

Date: 7/17/2007 Time: 08:13:16 Page: 2
Co-ordinate(NE) Reference: Site: UTE TRIBAL 15:25:14-19, True North
Vertical (TVD) Reference: SITE 7229.0
Section (VS) Reference: Well (0.00N,0.00E,247.20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey										
MD ft	inci deg	Azim deg	TVD ft	`+N/-S ft	+E/-W ft	VS ft		Build ft deg/100	Turn ft deg/100ft	Tool/Cómment
3837 00	10.50	252.53	3833 68	-28 91	-74 50	79 88	2.55	2 53	1.97	MWD
3869.00	11.56	249.90	3865.09	-30.89	-80.29	85.99	3.67	3.31 3.15	-8.22 2.59	MWD MWD
3903.00	12.63	250.78	3898.33	-33.28	-87.00	93.10	3.19	3.10	2.59	MINAD
3935.00	13.56	248.78	3929.50	-35.79	-93.80	100.34	3.23	2.91	-6.25	MWD
3967.00	14.06	249.65	3960.58	-38.50	-100.94	107.98	1.69	1.56	2.72	MWD
3999.00	14.56	248.28	3991.58	-41.34	-108 33	115.88	1.89	1.56	-4.28	MWD
4031.00 4063.00	15.19	248.53	4022.51	-44.36	-115 96	124.09	1.98	1.97	0.78	MWD MWD
4003.00	15.56	247.15	4053.36	-47.56	<b>-1</b> 23.82	132.58	1.63	1.16	-4.31	IVIVYD
4094.00	16.31	247.15	4083.17	-50.87	-131.66	141.09	2.42	2.42	0.00	MWD
4126.00	16.56	248.03	4113.87	-54.32	-140.03	150.14	1.10	0.78	2.75	MWD
4158.00	16.88	248.90	4144.51	-57.70	-148.60	159.35	1.27	1.00	2.72	MWD
4190.00 4222.00	17.25 17.63	247.78 248.78	4175.10 4205.63	-61.17 -64.71	-157.32 -166.23	168.73 178.32	1.55 1.51	1.16 1.19	-3.50 3.12	MWD MWD
4222.00	17.03	240.70	4200.00	-04.71	-100.23	170.32	1.51	1.10	J. 12	WWVD
4254.00	18.06	247.90	4236.09	-68.33	-175.35	188.13	1.59	1.34	-2.75	MWD
4286.00	18.56	247.40	4266.47	-72.16	-184.64	198.18	1.64	1.56	-1.56 0.78	MWD
4318.00 4350.00	18.88	247.65	4296.78	-76.08	-194.13	208.45	1.03	1.00	0.78	MWD MWD
4350.00	19.19 19.69	246.90 247.15	4327.03 4357.21	-80.12 -84.27	-203.76 -213.57	218.89 229.54	1.23 1.58	0.97 1.56	-2.34 0.78	MWD
4302.00	19.09	247.15	4337.21	-04.21	-213.37	229.54	1.56	1.50	0.76	IVIVID
4412.00	20.44	247.28	4385.39	-88.26	-223.06	239.83	2.50	2.50	0.43	MWD
4443.00	21.38	246.90	4414.34	-92.57	-233.25	250.89	3.06	3.03	-1.23	MWD
4475.00	22.06	247.53	4444.07	-97.15	-244.16	262.73	2.25	2.12	1.97	MWD
4509.00	22.38	247.65	4475.55	-102.05	-256.05	275.59	0.95	0.94	0.35	MWD
4541.00	22.75	247.53	4505.10	-106.73	-267.40	287.87	1.17	1.16	-0.37	MWD
4573.00	23.31	246.90	4534.55	-111.58	-278.94	300.39	1.91	1.75	-1.97	MWD
4605.00	23.94	246.65	4563.86	-116.64	-290.73	313.21	1.99	1.97	-0.78	MWD
4635.00	23.88	247.90	4591.29	-121.34	-301.94	325.37	1.70	-0.20	4.17	MWD
4667.00 4701.00	23.63 23.69	247.65 247.53	4620.58 4651.72	-126.21 -131.41	-313.88 -326.49	338.26 351.90	0.84 0.23	-0.78 0.18	-0.78 -0.35	MWD MWD
7,01.00	20.00	247.00	4001.12	-101,41		331.80	0.20	0.10	-0.00	WIVE
4733.00	23.81	249.15	4681.01	-136.17	-338.47	364.79	2.07	0.37	5.06	MWD
4765.00	23.75	249.03	4710.29	-140.78	-350.52	377.69	0.24	-0.19	-0.37	MWD
4797.00 4826.00	23.19 23.38	247.78 247.90	4739.65 4766.28	-145.46 -149.79	-362.37 -372.99	390.43 401.89	2.34 0.68	-1.75 0.66	-3.91 0.41	MWD MWD
4858.00	24.13	247.90	4700.28 4795.57	-149.79	-372.99 -384.93	414.78	2.34	2.34	0.00	MWD
4000.00	24.10	247.00	4100.07	104.04	-004.50	414.70	2.04	2.07	0.00	WITTE
4890.00	24.94	247.40	4824.68	-159.69	-397.22	428.07	2.61	2.53	-1.56	MWD
4924.00 4955.00	25.44	246.53	4855.45	-165.36	-410.54	442.54	1.83	1.47	-2.56	MWD
4987.00	25.69 26.56	246.28 245.65	4883.42 4912.15	-170.71 -176.45	-422.80 <b>-</b> 435.66	455.91	0.88 2.85	0.81 2.72	-0.81 -1.97	MWD MWD
5019.00	26.88	245.03	4940.73	-182.43	-435.00 -448.75	470.00 484.38	1.13	1.00	-1.37 -1.16	MWD
F054 00										
5051.00	27.13	245.40	4969.24	-188.49 -104.20	-461.96	498.90	0.80	0.78	0.37	MWD
5082.00 5112.00	27.38 27.50	246.28 246.50	4996.80 5023.42	-194.30 -199.83	-474.91 -487.58	513.10 526.92	1.53 0.52	0.81 0.40	2.84 0.73	MWD MWD
5146.00	27.69	246.53	5053.56	-206.11	-502.02	542.67	0.52	0.56	0.73	MWD
5176.00	27.75	246.28	5080.11	-211.70	-514.81	556.62	0.44	0.20	-0.83	MWD
5200.00	07.60	245 70	E100 45		E00 40	E74 40	0.00	0.27	4.50	A AVA/ID
5208.00 5240.00	27.63 27.69	245.78 245.53	5108.45 5136.79	-217.74 -223.86	-528.40 -541.93	571.49 586.34	0.82 0.41	-0.37 0.19	-1.56 -0.78	MWD MWD
5273.00	27.69	245.65	5166.01	-230.20	-555.90	601.67	0.47	0.00	0.36	MWD
5305.00	27.63	245.78	5194.35	-236.31	-569.44	616.52	0.27	-0.19	0.41	MWD
5337.00	27.25	245.53	5222.75	-242.39	-582.87	631.26	1.24	-1.19	-0.78	MWD
5369.00	27.00	246.40	5251.23	-248.33	-596.20	645.84	1.47	-0.78	2.72	MWD
5401.00	27.00 27.06	246.40 245.78	5251.23 5279.74	-246.33 -254.22	-596.20 -609.49	660.38	0.90	-0.78 0.19	-1.94	MWD
5433.00	27.00	246.28	5308.24	-260.13	-622.78	674.92	0.73	-0.19	1.56	MWD
5463.00	26.94	246.03	5334.98	-265.63	-635.22	688.53	0.43	-0.20	-0.83	MWD
5497.00	27.00	246.65	5365.28	-271.82	-649.35	703.94	0.85	0.18	1.82	MWD

### **Survey Report**

Company: MILLER, DYER & CO.
Field: UINTAH COUNTY, UTAH
Site: UTE TRIBAL 15-25-14-19

UT 15-25-14-19 Well:

Wellpath: 1

Date: 7/17/2007 Time: 08:13:16 Page: 3
Co-ordinate(NE) Reference: Site: UTE TRIBAL 15-25-14-19, True North
Vertical (TVD) Reference: SITE 7229.0
Section (VS) Reference: Well (0.00N,0.00E,247.20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

	Survey										
	MD	Incl	Azim	TVD	+N/-S	+E/-W	VS ft	DLS den/100f	Bùild Idea/100f	Turn t deg/100ft	Tool/Comment
ŀ	ft	deg	deg	ft	ft	ft					
	5529.00	26 81	246 00	5393 82	-277.63	-662 61	718 42	1 09	-0 59	-2 03	MWD
١	5560.00	26.69	245.90	5421.50	-283.32	-675.35	732.37	0.41	-0.39	-0.32	MWD
1	5592.00	26.58	245.96	5450.11	-289.17	-688.45	746.71	0.35	-0.34	0.19	MWD
-[	5624.00	26.47	246.11	5478.74	-294.98	-701.51	761.00	0.40	-0.34	0.47	MWD
	5656.00	26.75	246.15	5507.35	-300.78	-714.61	775.33	0.88	0.87	0.12	MWD
i	5007.00	07.50	040.45	EE04.04	206.40	707.54	789.46	2.42	2.42	0.00	MWD
ı	5687.00	27.50	246.15	5534.94	-306.49	-727.54 -740.99	804.19	0.93	-0.59	-1.56	MWD
١	5719.00	27.31	245.65	5563.35	-312.50				0.00	-2.34	MWD
	5751.00	27.31	244.90	5591.78	-318.65	-754.32	818.86	1.08		-1.56	MWD
1	5783.00	27.38	244.40	5620.20	-324.94	-767.61	833.55	0.75	0.22		
	5815.00	27.50	244.78	5648.60	-331.27	-780.93	848.28	0.66	0.37	1.19	MWD
ļ	E047.00	27.62	244.90	5676.97	-337.56	-794.33	863.07	0.44	0.41	0.37	MWD
П	5847.00	27.63		5704.45	-343.69	-794.33 -807.31	877.42	0.60	-0.23	-1.19	MWD
	5878.00	27.56	244.53 244.65	5704.45 5732.90	-349.98	-820.53	892.04	2.13	-2.12	0.37	MWD
П	5910.00	26.88					905.93	2.59	-1.42	-4.84	MWD
ı	5941.00	26.44	243.15	5760.61	-356.09	-833.02			-0.81	0.00	MWD
ı	5972.00	26.19	243.15	5788.39	-362.30	-845.29	919.63	0.81	-0.01	0.00	IVIVUD
1	6004.00	25.81	242.15	5817.16	-368.74	-857.74	933.62	1.81	-1.19	-3.12	MWD
۱	6035.00	24.56	242.15	5845.21	-374.76	-869.49	946.77	4.53	-4.03	4.84	MWD
Н			244.71	5874.43	-380.44	-881.22	959.79	3.52	-3.25	3.31	MWD
H	6067.00 6099.00	23.52	244.71	5874.43 5903.73	-385.73	-892.94	959.7 <del>9</del> 972.64	2.68	1.12	6.06	MWD
ı		23.88					985.74	1.78	1.75	-0.78	MWD
П	6131.00	24.44	246.40	5932.93	-390.95	-904.95	500.14	1.70	1.73	-0.70	1411110
П	6163.00	24.44	246.40	5962.06	-396.25	<b>-</b> 917.08	998.98	0.00	0.00	0.00	MWD
1	6195.00	24.44	240.40	5991.15	-401.49	-929.34	1012.31	1.63	1.16	2.75	MWD
	6227.00	24.01 25.16	247.26 247.98	6020.16	-406.64	-929.54 -941.84	1012.31	1.43	1.09	2.19	MWD
ı	6259.00		247.78	6049.13	-411.75	-954.42	1025.65	0.41	-0.31	-0.62	MWD
	6290.00	25.06 26.25	247.78	6077.08	-416.69	-966.90	1053.40	4.22	3.84	4.03	MWD
П	0290.00	20.25	249.03	0077.00	-410.03	-300.30	1032.02	7.22	0.04	1.00	
H	6322.00	27.13	249.40	6105.67	-421.79	-980.34	1067.19	2.80	2.75	1.16	MWD
H	6354.00	27.25	249.28	6134.13	-426.94	-994.02	1081.80	0.41	0.37	-0.37	MWD
П	6386.00	26.94	249.03	6162.62	-432.13	-1007.64	1096.36	1.03	-0.97	-0.78	MWD
ĺĺ	6418.00	26.88	249.95	6191.16	-437.20	-1021.21	1110.84	1.31	-0.19	2.87	MWD
П	6449.00	26.81	249.40	6218.81	-442.07	-1034.33	1124.82	0.83	-0.23	-1.77	MWD
H											
IJ	6480.00	26.63	249.78	6246.50	-446.93	-1047.40	1138.75	0.80	-0.58	1.23	MWD
H	6511.00	26.44	248.65	6274.24	-451.84	-1060.34	1152.59	1.74	-0.61	-3.65	MWD
1	6543.00	26.13	247.90	6302.93	-457.09	-1073.51	1166.76	1.42	-0.97	-2.34	MWD
IJ	6575.00	25.88	247.90	6331.69	-462.37	-1086.51	1180.79	0.78	-0.78	0.00	MWD
	6607.00	25.94	247.53	6360.47	-467.67	-1099.45	1194.77	0.54	0.19	-1.16	MWD
IJ											
IJ	6639.00	25.81	246.78	6389.27	-473.09	-1112.32	1208.73	1.10	-0.41	-2.34	MWD
l	6671.00	25.94	245.90	6418.06	-478.69	-1125.11	1222.70	1.27	0.41	<b>-</b> 2.75	MWD
H	6703.00	25.81	245.90	6446.85	-484.40	-1137.85	1236.66	0.41	-0.41	0.00	MWD
Н	6735.00	25.88	245.78	6475.65	-490.11	-1150.58	1250.60	0.27	0.22	-0.37	MWD
H	6767.00	26.06	245.53	6504.42	-495.88	-1163.35	1264.61	0.66	0.56	-0.78	MWD
П							10-5		0.44	4.07	A MAID
Н	6799.00	26.19	244.90	6533.15	-501.79	-1176.14	1278.69	0.96	0.41	-1.97	MWD
۱	6831.00	25.56	243.65	6561.94	-507.85	-1188.72	1292.64	2.60	-1.97	-3.91	MWD
۱	6862.00	25.25	244.15	6589.94	-513.70	-1200.67	1305.92	1.22	-1.00	1.61	MWD
۱	6894.00	25.00	243.28	6618.92	-519.72	-1212.85	1319.48	1.39	-0.78	-2.72	MWD
	6926.00	25.13	244.03	6647.90	-525.73	-1225.00	1333.01	1.07	0.41	2.34	MWD
۱					=0	400= 44	4046 =0	0.40	0.00	E 07	A AVA (T)
П	6958.00	25.13	242.15	6676.87	-531.88	-1237.11	1346.56	2.49	0.00	-5.87	MWD
ll	6990.00	25.31	243.90	6705.82	-538.07	-1249.26	1360.16	2.40	0.56	5.47	MWD
ı	7021.00	25.31	243.00	6733.85	-543.99	-1261.12	1373.38	1.24	0.00	-2.90	MWD
П	7053.00	25.25	243.53	6762.78	-550.14	-1273.32	1387.02	0.73	-0.19	1.66	MWD
IJ	7085.00	25.30	243.98	6791.72	-556.18	-1285.58	1400.65	0.62	0.16	1.41	MWD
Į Į	7447.00	05.00	045.00	6000.60	E60.04	4207.07	1/1/ 05	1 50	-0.75	3.28	MWD
IJ	7117.00	25.06	245.03	6820.68	-562.04	-1297.87	1414.25	1.58			
H	7149.00	24.81	243.90	6849.70	-567.85	-1310.04	1427.73	1.68	-0.78	-3.53	MWD MWD
Н	7180.00	24.88	244.78	6877.83	-573.49	-1321.78	1440.74	1.21	0.23	2.84 -0.41	MWD
	7212.00	24.94	244.65	6906.85	-579.25	-1333.97	1454.20	0.25	0.19		

## **Survey Report**

Company: MILLER, DYER & CO.
Field: UNTAH COUNTY, UTAH
Site: UTÉ TRIBAL 15-25-14-19
Well: UT 15-25-14-19

Wellpath: 1

Date: 7/17/2007 Time: 08:13:16 Page: 4
Co-ordinate(NE) Reference: Site: UTE TRIBAL 15-25-14-19, True North
Vertical (IVD) Reference: SITE 7229.0
Section (VS) Reference: Well (0.00N,0.00E,247,20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S *ft	+E/-W ft	vs ft		Build It deg/100		Tool/Comment
7244.00	25 00	243 65	6935 86	-585 14	-1346 12	1467.69	1 33	0 19	-3 12	MWD
7275.00	24.63	243.28	6964.00	-590.95	-1357.76	1480.67	1.29	-1.19	-1.19	MWD
7307.00	24.38	242.68	6993.11	-596.98	-1369.59	1493.91	1.10	-0.78	-1.87	MWD
7339.00	23.88	242.40	7022.32	-603.01	-1381.19	1506.95	1.60	-1.56	-0.87	MWD
7370.00	23.75	241.15	7050.68	-608.93	-1392.22	1519.41	1.68	-0.42	-4.03	MWD
7402.00	23.42	241.08	7080.01	-615.12	-1403.43	1532.14	1.03	-1.03	-0.22	MWD
7434.00	22.69	241.03	7109.45	-621.18	-1414.40	1544.60	2.28	-2.28	-0.16	MWD
7466.00	22.50	240.90	7138.99	-627.15	-1425.15	1556 82	0.61	-0.59	-0.41	MWD
7498.00	22.63	241.90	7168.54	-633.03	-1435.93	1569.04	1.27	0.41	3.12	MWD
7530.00	22.75	242.03	7198.07	-638.83	-1446.83	1581.33	0.41	0.37	0.41	MWD
7561.00	23.25	243.15	7226.60	-644.40	-1457.58	1593.40	2.14	1.61	3.61	MWD
7593.00	23.94	243.65	7255.93	-650.14	-1469.03	1606.18	2.25	2.16	1.56	MWD
7625.00	24.88	245.15	<b>72</b> 85 07		-1480.96	1619.39	3.52	2.94	4.69	MWD
7657.00	25.23	247.02	7314.06	-661 34		1632.94	2.71	1.09	5.84 0.03	MWD MWD
7688.00	24.38	247.03	7342.20	-666.42		1645.94	2.74 1.05	-2.74 -0.41	2.34	MWD
7720.00	24.25	247.78	7371.36	-671.48	-1517.48	1659.12	1.05	-0.4 I		
7752.00	24.31	248.40	7400.53	-676.39	-1529.69	1672.27	0.82	0.19	1.94	MWD
7784.00	24.13	249.40	7429.71	-681.12		1685.40	1.40	-0.56	3.12	MWD
7815.00	23.94	249.15	7458.02	-685.58		1698.01	0.70	-0.61	-0.81	MWD
7847.00	23.88	249.53	<b>74</b> 87 28	-690 16	-1565.88	1710.97	0.52	-0.19	1.19	MWD
7879.00	23.44	249.78	<b>75</b> 16 59	-694 62	-1577.92	1723.81	1.41	-1.37	0.78	MWD
7911.00	23.56	250.90	7545.93	-698 92		1736.55	1.45	0.37	3.50	MWD
7944.00	23.94	251.53	7576.14	<b>-</b> 703 2 <b>0</b>	-1602.52	1749.80	1.38	1.15	1.91	MWD
7976.00	24.77	250.41	7605.29	-707.50	-1615.00	1762.97	2.97	2.59	-3.50	MWD
8008.00	24.88	251.78	<b>76</b> 34 33	-711.85	-1627.71	1776.37	1.83	0.34	4.28	MWD
8040.00	24.63	251.28	<b>76</b> 63 39	-716.10	-1640.41	1789 74	1.02	-0.78	-1.56	MWD
8072.00	24.13	250.28	7692.54	-720.45	-1652.89	1802.92	2.03	-1.56	-3.12	MWD
8103.00	24.06	250.78	7720.84	-724.66	-1664.82	1815.55	0.70	-0.23	1.61	MWD
8135.00	24.31	251.03	7750.03	-728.95	-1677.21	1828.64	0.84	0.78	0.78	MWD
8167.00	24.44	250.90	7779.18	-733.26	-1689.69	1841.81	0.44	0.41	-0.41	MWD
8199.00	24.50	250.40	7808 <b>30</b>	-737.65	-1702.20	1855.04	0.67	0.19	-1.56	MWD
8231.00	23.50	250.28	7837.54	-742.03	-1714.46	1868.04	3.13	-3.12	-0.37	MWD
8263.00	22.94	250.90	7866.94	-746.22	-1726.35	1880.63	1.91	-1.75	1.94	MWD
8294.00	22.56	251.53	7895.53	-750.08	-1737.70	1892.59	1.46	-1.23	2.03	MWD
8326. <b>00</b>	22.38	250.28	7925.10	-754.08	-1749.26	1904.80	1.60	-0.56	-3.91	MWD
8358.00	22 06	249.03	7954.73	-758.29	-1760.61	1916.89	1.78	-1.00	-3.91	MWD
8390.00	21.94	250.65	7984 4 <b>0</b>	-762.42		1928.86	1.93	-0.37	5.06	MWD
8422.00	21.69	250.40	8014.11		-1783.07	1940.73	0.83	-0.78	-0.78	MWD
8454.00	21.31	248.03	8043.88		-1794.03	1952.45	2.96	-1.19	-7.41	MWD
8485.00	21 38	248.03	8072.75		-1804.50	1963.73	0.23	0.23	0.00	MWD
8517.00	21 56	248.03	8102.53	-779.15	-1815.36	1975.44	0.56	0.56	0.00	MWD
8549.00	21.50	247.78	8132.30	-783.57	-1826.24	1987.19	0.34	-0.19	-0.78	MWD
8581.00	21.81	247.90	8162.04		-1837.18	1998.99	0.98	0.97	0.37	MWD
8613.00	21.94	247.78	8191.74		-1848.22	2010.92	0.43	0.41	-0.37	MWD
8645.00	22.38	247.28	8221.37	-797.13	-1859.37	2022.99	1.50	1.37	-1.56	MWD
8677.00	22.50	248.40	8250.95	-801.74	-1870.68	2035.20	1.39	0.37	3.50	MWD
8709.00	22.38	249.40	8280.53	-806.14	-1882.08	2047.41	1.25	-0.37	3.12	MWD
8741.00	21.94	247.90	8310.16	-810.53	-1893.32	2059.47	2.24	-1.37	-4.69	MWD
8773.00	22.13	248.53	8339.83	-814.98		2071.48	0.95	0.59	1.97	MWD
8804.00	21.63	247.53	8368.59 8308.40	-819.30 -823.63	-1915.18 -1926.00	2083.03 2094.67	2.01 2.39	-1.61 -1.78	-3.23 4.37	MWD MWD
8836.00	21.06	248.93	8398.40	-023.03	- 1820.00	2004.01				
8868 00	21.19	249.40	8428.25	-827.73	-1936.78	2106.20	0.67 1.19	0.41 -1.19	1.47 0.00	MWD MWD
8900 00	20.81	249.40	8458.12	-831.76	-1947.51	2117.66	1.18	-1.10	0.00	.4111D

## **Survey Report**

Company: MILLER, DYER & CO.
Field: UINTAH COUNTY, UTAH
Site: UTE TRIBAL 15-25-14-19
Well: UT 15-25-14-19

Wellpath: 1

Date: 7/7/2007 Time: 08:13:16 Page: 5
Co-ordinate(NE) Reference: Site: UTE TRIBAL 15-25-14-19, True North Vertical (TVD) Reference: SITE 7229:0
Section (VS) Reference: Well (0.00N,0.00E,247.20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

3.50		4	THE TEN	1314.51	1977 357	376	DLS	Build	Turn	Tool/Comment
MD ft	lnel deg	Azim deg	TVD ft	+N/-S _fi	+E/-W ft	vs '	deg/100	ft deg/100	ft deg/100ft	, voi/Comment
8932 00	20.88	249 40	8488 03	-835 77	-1958.17	2129 04	0 22	0 22	0 00	MWD
8964.00	21.06	248.15	8517.91	-839.92	-1968.84	2140.48	1.51	0.56	-3.91	MWD
8986.00	21.56	248.78	8538.40	-842.85	-1976.28	2148.48	2.50	2.27	2.86	MWD
9028.00	21.25	248.40	8577.51	-848.44	-1990.55	2163.80	0.81	-0.74	-0.90	MWD
9059.00	21.31	249.15	8606.39	-852.52	-2001.04	2175.05	0.90	0.19	2.42	MWD
9091.00	21.06	248.15	8636.23	-856.73	-2011.81	2186.61	1.37	-0.78	-3.12	MWD
9123.00	21.00	248.15	8666.10	-861.00	-2022.47	2198.09	0.19	-0.19	0.00	MWD
9155.00	21.19	247.65	8695.96	-865.33	-2033.14	2209.61	0.82	0.59	-1.56	MWD
9186.00	20.94	247.65	8724.88	-869.57	-2043.44	2220.75	0.81	-0.81	0.00	MWD
9217.00	20.63	248.03	8753.87	-873.72	-2053.63	2231.75	1.09	-1.00	1.23	MWD
9249.00	20.13	250.13	8783.86	-877.70	-2064.04	2242.88	2.77	-1.56	6.56	MWD
9281.00	19.94	248.03	8813.93	-881.61	-2074.28	2253.84	2.33	-0.59	-6.56	MWD
9312.00	19.19	249.53	8843.14	-885.37	-2083.95	2264.22	2.91	-2.42	4.84	MWD
9343.00	19.13	248.90	8872.42	-888.98	-2093.47	2274.38	0.69	-0.19	-2.03	MWD
9375.00	19.06	248.65	8902.66	-892.77	-2103.22	2284.85	0.34	-0.22	-0.78	MWD
9407.00	18.88	248.15	8932.92	-896.60	-2112.90	2295.25	0.76	-0.56	-1.56	MWD
9439.00	18.63	248.15	8963.22	-900.43	-2122.45	2305.54	0.78	-0.78	0.00	MWD
9471.00	18.31	248.40	8993.57	-904.18	-2131.86	2315.67	1.03	-1.00	0.78	MWD
9503.00	17.81	247.90	9024.00	-907.88	-2141.07	2325.59	1.64	-1.56	-1.56	MWD
9535.00	17.69	247.78	9054.47	-911.56	-2150.11	2335.35	0.39	-0.37	-0.37	MWD
9567.00	17.31	246.78	9084.99	-915.27	-2158.98	2344.97	1.51	-1.19	-3.12	MWD
9598.00	17.19	247.28	9114.60	-918.86	-2167.45	2354.16	0.62	-0.39	1.61	MWD
9630.00	17.06	248.90	9145.18	-922.38	-2176.19	2363.58	1.55	-0.41	5.06	MWD
9662.00	17.19	248.11	9175.76	-925.83	-2184.95	2373.00	0.83	0.41	-2.47	MWD
9694.00	16.31	248.78	9206.40	-929.22	-2193.53	2382.22	2.82	-2.75	2.09	MWD
9725.00	16.31	246.90	9236.16	-932.50	-2201.59	2390.92	1.70	0.00	-6.06	MWD
9757.00	16.00	246.53	9266.89	-936.02	-2209.77	2399.83	1.02	-0.97	-1.16	MWD
9789.00	15.56	248.53	9297.69	-939.35	-2217.81	2408.53	2.19	-1.37	6.25	MWD
9821.00	15.56	248.65	9328.51	-942.48	-2225.80	2417.11	0.10	0.00	0.37	MWD
9853.00	15.38	247.78	9359.35	-945.65	-2233.73	2425.64	0.92	-0.56	-2.72	MWD
9885.00	15.31	247.03	9390.21	-948.90	-2241.55	2434.11	0.66	-0.22	-2.34	MWD
9917.00	15.25	248.28	9421.08	-952.11	-2249.35	2442.54	1.05	-0.19	3.91	MWD
9948.00	15.00	249.40	9451.01	-955.03	-2256.89	2450.63	1.24	-0.81	3.61	MWD
9980.00	14.69	247.28	9481.94	-958.05	-2264.51	2458.83	1.95	-0.97	-6.62	MWD
10011.00	13.56	246.78	9512.00	-961.00	-2271.47	2466.39	3.67	-3.65	-1.61	MWD
10043.00	12.88	247.15	9543.15	-963.87	-2278.21	2473.71	2.14	-2.12	1.16	MWD
10075.00	12.38	248.90	9574.38	-966.49	-2284.69	2480.70	1.97	-1.56	5.47	MWD
10107.00	12.19	247.78	9605.65	-969.00	-2291.02	2487.51	0.95	-0.59	-3.50	MWD
10139.00	12.31	248.65	9636.92	-971.52	-2297.33	2494.30	0.69	0.37	2.72	MWD
10171.00	12.00	247.78	9668.20		-2303.58	2501.04	1.13	-0.97	-2.72	MWD
10203.00	11.44	245.90	9699.53		-2309.56	2507.53	2.12	-1.75	<i>-</i> 5.87	MWD
10235.00	10.81	246.65	9730.93	-979.06	-2315.21	2513.71	2.02	-1.97	2.34	MWD
10275.00	10.09	246.42	9770.27	-981.95	-2321.87	2520.96	1.80	-1.80	-0.57	MWD
10306.00	9.63	244.40	9800.81	-984.15	-2326.69	2526.27	1.86	-1.48	-6.52	MWD
10338.00	9.31	246.53	9832.38	-986.34	-2331.48	2531.53	1.48	-1.00	6.66	MWD
10369.00	9.06	243.78	9862.98	-988.42	-2335.97	2536.47	1.63	-0.81	-8.87	MWD
10400.00	8.38	242.03	9893.62	-990.56	-2340.16	2541.16	2.35	-2.19	-5.65	MWD
10432.00	7.88	243.78	9925.30	-992.62	-2344.18	2545.67	1.74	-1.56	5.47	MWD
10463.00	7.06	243.28	9956.03	-994.41	-2347.79	2549.69	2.65	-2.65	-1.61	MWD
10495 00	6.44	242.03	9987.81	-996.14	-2351.13	2553.44	1.99	-1.94	-3.91	MWD
10526.00	5.63	240.90	10018.64	-997.70	-2354.00	2556.69	2.64	-2.61	-3.65	MWD
			10049.50	-999.21	-2356.51	2559.59	1.79	-1.23	-13.71	MWD
10557 00	5.25	236.65	10049.00	-333.ZI	2000.01	2000.00	1.70			MWD

### **Survey Report**

Company: MILLER, DYER & CO.

UNTAH COUNTY, UTAH UTE TRIBAL 15-25-14-19 UT 15-25-14-19 Field: Site:

Well:

Wellpath: 1

Date: 7/17/2007 Time: 08:13:16 Page: 6
Co-ordinate(NE) Reference: Site: UTE TRIBAL 15-25-14-19, True North

Vertical (TVD) Reference:

Verifical (TVD) Reference: SITE 7229.0
Section (VS) Reterence: Well (0.00N,0:00E,247,20Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

S	m	rv	ø	w

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	vs ft	DLS deg/100	Build Adeg/100	Turn oft deg/100ft	Tool/Comment
10620 00	4 75	244 03	10112.25	-1002 07	-2361 32	2565.13	2 12	-1.42	18 16	MWD
10652.00	4.71	244.90	10144.14	-1003.21	-2363.70	2567.76	0.26	-0.12	2.72	MWD
10683.00	3.75	246.90	10175.06	-1004.15	-2365.78	2570.05	3.13	-3.10	6.45	MWD
10715.00	3.31	254.78	10207.00	-1004.80	-2367.63	2572.01	2.04	-1.37	24.62	MWD
10746.00	3.00	255.40	10237.95	-1005.24	-2369.28	2573.70	1.01	-1.00	2.00	MWD
10777.00	2.56	264.90	10268.91	-1005.51	-2370.76	2575.16	2.05	-1.42	30.65	MWD
10809.00	1.69	268.53	10300.89	-1005.58	-2371.94	2576.28	2.75	-2.72	11.34	MWD
10840.00	1.63	275.90	10331.88	-1005.55	-2372.84	2577.10	0.71	-0.19	23.77	MWD
10872.00	1.53	265.40	10363.87	-1005.54	-2373.72	2577.90	0.96	-0.31	-32.81	MWD
10903.00	1.44	256.40	10394.86	-1005.66	-2374.51	2578.68	0.81	-0.29	-29.03	LAST MWD SURVEY
11016.00	1.50	256.00	10507.82	-1006.35	-2377.32	2581.54	0.05	0.05	-0.35	BEGIN SS SURVEY
11106.00	0.50	256.00	10597.80	-1006.73	-2378.85	2583.10	1.11	-1.11	0.00	SS SURVEYS
11199.00	0.50	256.00	10690.80	-1006.93	-2379.63	2583.90	0.00	0.00	0.00	SS SURVEYS
11227.00	0.50	256.00	10718.80	-1006.99	-2379.87	2584.14	0.00	0.00	0.00	SS SURVEYS
11320.00	0.50	256.00	10811.80	-1007.19	-2380.66	2584.94	0.00	0.00	0.00	SS SURVEYS
11345.00	1.50	256.00	10836.79	-1007.29	-2381.08	2585.37	4.00	4.00	0.00	SS SURVEYS
11605.00	2.00	256.00	11096.67	-1009.21	-2388.79	2593.22	0.19	0.19	0.00	SS SURVEYS
11643.00	3.00	256.00	11134.63	-1009.61	-2390.39	2594.86	2.63	2.63	0.00	SS SURVEYS
11782.00	1.00	256.00	11273.54	-1010.79	-2395.10	2599.65	1.44	-1.44	0.00	SS SURVEYS
11814.00	0.00	256.00	11305.54	-1010.85	-2395.37	2599.93	3.12	-3.12	0.00	SS SURVEYS
11875.00	3.00	256.00	11366.51	-1011.24	-2396.92	2601.50	4.92	4.92	0.00	SS SURVEYS
11937.00	3.00	256.00	11428.43	-1012.03	-2400.07	2604.71	0.00	0.00	0.00	SS SURVEYS
12067.00	3.00	256.00	11558.25	-1013.67	-2406.67	2611.43	0.00	0.00	0.00	SS SURVEYS
12260.00	5.00	256.00	11750.77	-1016.93	-2419.73	2624.74	1.04	1.04	0.00	TD

#### Targets

Name	Description Dip. Di	TVD ·, ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	< Latitude Deg Min Sec	->< Longitude Deg Min Sec
PBHL -Circle (F	Radius: 200)	11852 36	-1030.56	-2398.07	7015184 212	137405 22	39 33 53 913 N	109 44 13 024 W

#### Annotation

MD ft	TVD ft			-	 	
10903.00	10394.86	LAST MWD SURVEY	 			
11016.00	10507.82	BEGIN SS SURVEY				
12260.00	11750.77	TD				



Date	Drilling Summary
05/06/07	Rigging Up Patterson-UTI Drilling Company, Rig 180  Note: Start Rigging Up, Set Matting Boards 4/27/2007 & Raise Derrick @ 4:00 pm. 5/3/2007  Working On Air Compressor To Start Motors, Welding On Derrick Board & Derrick Crown  Working On Air Lines, Hydraumatic *Spear, Installing Air Tuggers, Welding Twenty (20")  Conductor, 10 3/4" Flow Line, Hooking Up Gas Buster
05/07/07	Rigging Up Rotary Table Equipment, Welder Finished Flow line, Gas Buster,Installed Centrifuge (Zimmerman Equipment Company) Welder Working On Safety Issues For Patterson Drilling, Re-Spot Trip Tank & Kill Line Manifold. P/U Kelly, Set Kelly Sock, Mouse Hole Sock. Pick Up Iron Roughneck Preparing Rotary Equipment To Spud
05/08/07	Rigging Up Rotary Table Equipment, Welder Working On Patterson's Equipment Working On Safety Issues
05/09/07	Rigging Up Rotary Table Equipment / Rig Repair, Rod Oiler Pumps Not Working / Electrician Working On Rod Oiler Pumps.Wait On Mechanic To Start #2 Pump Motor
05/10/07	Rig Repair, Mechanic Working On #2 Pump Motor Pre-Spud Safety Meeting Held / BLM *Raymond K. Arnold Attended Meeting. Cell: (435) 781-4410 Attempt To Test High Pressure Mud lines, Kelly To 3,000 psi. Swivel Leaking, Repack Swivel, Test Several Times, Swivel Still Leaking, Mixing Pump *Wear Plate Washed Out, Install New Mixing Pump, The Other Mixing Pump On Rig Should Be Changed Out Too. Pusher Called Office For Help On Swivel Changed Out Two (2) 6" Valves On Mixing Pump Line (Hopper Line)
05/11/07	Working On Swivel, Sending Another 400 Ton Emsco Swivel To location, Arrived @ 12:30 pm. 5/10/2007 Pick Up Swivel, Tighten, Held Safety Meeting, Test Pump Hard Lines, Stand Pipe, Kelly, Lower Kelly Valve, 4" Stand Pipe Valve To 3,000# (OK) Prepare Patterson Rig 180 To Spud 12 1/4" Hole @ 5:30 pm. 5/10/2007 Spud 12 1/4" Hole @ 5:30 pm. 5/10/2007. Drilling From 42' To 139' (97') Ft/Hr: 21.56' Rig Repair, Drawworks Motor Died, Had Oil In Anti-Freeze (Drilling With One (1) Drawworks Motor) Drilling From 139' To 173' (34.0') Ft/Hr: 22.67' Install Change Over Sub From 8" To 6" *Problem Finding The Right Sub Drilling From 173" To 296' (123.0') Ft/Hr: 24.60'
05/12/07	Drilling From 296' To 305" (9.0') Ft/Hr: 9.0"  Wire Line Survey @ 260' - 1/4 Degrees (7 Degree Totco Instrument)  Drilling From 305' To 577' (272') Ft/Hr: 34.0"  Wire Line Survey @ 500' - 1/4 Degrees (7 Degree Totco Instrument)  Drilling From 577' To 640' (63.0') Ft/Hr: 31.50'  Rig Repair: Work On #2 Pump, Change Out Middle Swab (Piston) *Having Problem With Charging Pump  Drilling From 640' To 791' (151.0') Ft/Hr: 43.14'  Wire Line Survey @ 718' - 3/4 Degree (7 Degree Totco Instrument)  Drilling From 791' To 1031' (240') Ft/Hr: 43.64'  Rig Repair: Work On #2 Pump, Change Out Swab (Piston)
05/13/07	Rig Repair: Changing Swab #1 Pump, Change Swab #2 Pump & Liner  Drilling From 1031' To 1156' (125.0') Ft/Hr: 35.71'  Wire Line Survey @ 1084' - 1/2 degrees  Drilling From 1156' To 1170' (14.0') Ft/Hr: 28.0'  Rig Repair: Changing Swab (Piston) #2 Pump  Drilling From 1170' To 1489' (319.0') Ft/Hr: 29.0'  Pump Sweep, Clean Hole For Wire Line Survey  Wire line Survey @ 1412' - 1 degree *Change Swab (Piston) #2 Pump  Drilling From 1489' To 1625' (136.0') Ft/Hr: 24.72'
05/14/07	Drilling From 1625' To 1890' (265.0') Ft/Hr: 18.28' Pump Hi-Viscous Sweep, Circulate, Clean Hole

Wire Line Survey @ 1812' - 1 1/4 Degrees (7 Degree Totco Instrument) Drilling From 1890' To 2017' (127') Ft/Hr: 19.54' Rig Repair: Change Swab In # 2 Pump Drilling From 2017' To 2022' (5.0') Ft/Hr: 5.0' \*Check Out Rotary Table Drilling From 2022' To 2030' (8.0') Ft/Hr: 16.0' 05/15/07 Rig Repair: Changing Liner & Swab (Piston) In #2 Pump Drilling From From 2030' To 2112' (82.0') Ft/Hr: 14.91' Attempt To Run Survey, Wire Line Had Kink In Line Drilling From 2112' To 2152' (40') Ft/Hr: 8.0' Mix & Pump Sweep & Pill, Held Safety Meeting: Tripping Pipe, Handling 8" Drill Collars Pull Out Of Hole, Work Tight Hole, Maximum Pull - Weight Indicator - 250,000# Pull Change Out 12 !/4" Bit, Dress Bit, Held Safety Meeting Make Up Bit, Check Hunting Performance Mud Motor (OK) Tripping In Hole With Bit #2 "Showed "NO" Repairs While Working On Rig Note Rig Is Not Putting Down Actual Down Time (Rig Repair) They Had Problems With Drill Pipe Elevators Ran One (1) Stand 8" Drill Collar & Four (4) Stands 6 1/2" Drill Collars In Four (4) Hours "Not" Recording Down Time In IADC Report Note: Crew Change Out, Re-Training Roughnecks & Drillers, Training On Forklift Bureau Of Land Management (Vernal Office) (435) 781-4400 Raymond K. Arnold (Petroleum Technician) Called About Running 9 5/8" Casing & Cementing, Testing BOP's Finish Running Hole With Bit #2 @ 2100' / Pick Up Kelly 05/16/07 Break Circulation, Wash & Ream From 2100' To 2152' (52.0') Drilling From 2152' To 2183' (31.0') Ft/Hr: 20.67' Mix & Pump 50 bbls Hi-Viscous Sweep Wire Line Survey @ 2106' - 1 degree (7 degree Totco Instrument) Drilling From 2183' To 2361' (178') Ft/Hr: 11.87' Rig Service: Held Safety Meeting: Topic, Wire Line Surveys Drilling From 2361' To 2390' (29.0') Ft/Hr: 11.60' Drilling From 2390' To 2494' (104.0') Ft/Hr: 9.90' 05/17/07 Rig Service: Held Safety Meeting - Unloading 9 5/8" Casing Drilling From 2494' To 2526' (32.0') Ft/Hr: 10.67' Wire Line Survey @ 2449' - 2 3/4 Degrees (7 Degree Totco Instrument) Drilling From 2526' To 2556' (30.0') Ft/Hr: 8.57' Wire Line Survey @ 2479' - 1 1/2 Degrees (7 Degree Totco Instrument) Drilling From 2556' To 2587' (31.0') Ft/Hr: 12.40' Wire Line Surveys: First Survey Taken Miss-Run (Off Chart) Second (2nd) One Taken @ 2510' - 1 degree \*Installed Feathers On 7 degree Totco Instrument Drilling From 2587' To 2598' (11.0') Ft/Hr: 11.0' 05/18/07 Drilling From 2598' To 2715' (117.0') Ft/Hr: 29.25' Pump Hi-Viscous Sweep Wire Line Survey @ 2638' - 1 1/4 degree (7 degree Totco Instrument Drilling From 2715' To 2841' (126.0') Ft/Hr: 15.75' Pump Hi-Viscous Sweep Wire Line Survey @ 2764' - 1/2 Degrees (7 degree Totco Instrument) \*One (1) Miss-Run Drilling From 2841' To 2946' (105.0') Ft/Hr: 11.05' 05/19/07 Drilling From 2946' To 2970' (24.0') Ft/Hr: 16.0' Rig Service: Change Filters On Torque Converter: Held Safety Meeting: Tagout/Lockout Procedure Drilling From 2970' To 3175' (205.0') Ft/Hr: 9.32' 05/20/07 Rig Repair: Number #1 Pump, Modular Leaking (Pod) /Wait On Welder To Be Part Of The Solution Wire Line Survey @ 3096' - 1 1/2 degrees (7 degree Totco Instrument) POOH With 5" Drill Pipe & 30 Jts. Hevi-Wate Drill Pipe \*Welder Working On #1 Pump Held Safety Meeting Between Frank's/Westates Lay Down Machine / Patterson's Drilling Personnel

Rig Up Lay Down Machine / Lay Down Drill Collars & Bottom Hole Assembly \*Welder Working On #1 Pump Rigging Up To Run 9 5/8" Casing / Held Safety Meeting With Personnel On Location Ran Seventy One (71) Joints (3173.38') 9 5/8", 36#, J-55, LT&C, 8rd, R-3 "Panmerid" Casing. Casing Landed @ 3170.01 Rigging Down Frank's/Westates Laydown Machine & Casing Hydraulic Tongs & Equipment Pick Up B.J. Cementing Head, Break Circulation, Circulate @ 226 gpm / Good Returns. Cement With B.J. Services Company \*See Casing & Cement Details Monitor Cement \*Fell Four (4.0') Foot In Annulus Between 20' x 9 5/8" Casing Wait On Cement. Note: Returned 146 bbls (242 sxs.) "Lead" Cement To Reserve Pit. Bureau Of Land Management \*Michael Lee & James Ashley Gave Verbal Consent To Set 9 5/8" Casing Shoe @3170'. Notified: Raymond K. Arnold About Running & Cementing Of 9 5/8" Casing. 05/21/07 Cut Off 20" Conductor Pipe & 9 5/8" Surface Casing, Cement Inside 20" Conductor Pipe (4.0') Rig Down Rotary Table, Send To Patterson's Yard In Vernal, Utah "Rig Repair" Pre-Heat 11"x 5K, 9 5/8" Cameron Wellhead To 450 degrees, Weld On Wellhead @ 380 degrees Let 11"x 5K, 9 5/8" Wellhead Cool Before Testing Test 11"x 5K, 9 5/8" Wellhead To 900 psi. (OK) Nipple Up Cameron "B" Section, Note: BOPE On Location 13 5/8"x 5K \*Looking For Adapter To 11"x 5K Waiting On Spools Or DSA To Nipple Up 13 5/8"x5K BOP To 11"x5K Wellhead 05/22/07 Waiting For Patterson Spools To Nipple Uo BOPE Mechanic Working On Drawworks (Motor, Torque Converter) & Oil Leaks Started Nippling Up BOPE, \*Start Nippling Up BOPE @ 4:30 pm. 05/21/2007, After Mechanic Finished With Repairing Drawworks. 05/23/07 Nippling Up BOPE 13 5/8" 5M X 11"5M Cameron Wellhead Rig Repair: Install Rotary Table - Safety Meeting Held; Picking Up Rotary Table With Cables & Chains Testing BOPE With Quick Test, Inc Testing Blind Rams, 5" Pipe Rams, Kill Line, Choke Line, Choke Manifold, TIW Valve (Floor Valve) Dart Valve, Upper & Lower Kelly Valve To (Low-250 psi.) & (High-3,000 psi.) Test Hydril To 1500 psi. Test 9 5/8" Casing To 1500 psi. (30 Minute) Test 05/24/07 Picking Up Directional Tools, Center 13 5/8" BOP With Rotary Table & Secure / Check MWD Tool \*Instali Wear Bushing Pick Up Ten (10) Jts. HWDP & RIH To 3126.0' \*Take Surveys Every 500' Install Rotating Head Put Twelve (12) Jts. 5" Drill Pipe On Racks & Strap / Work On Forklift \*Change Fuel Filters. Running In Hole To 3126' Tag Float Collar & Cement, Pick Up Kelly, Break Circulation Drill Cement, Rubber Plug, Float Collar @ 3126', Cement @ Guide Shoe @ 3170', Wash & Ream To 3175' Rotating: Drilling From 3175' To 3283' (108.0') Ft/Hr: 13.50' 05/25/07 Rotating: Drilling From 3283' To 3314' (31.0') Ft/Hr: 62.0' Rig Service: Held Safety Meeting / Functionally Operated Crown-O-Matic Rotate/Slide: Drilling From 3314' To 3697' (383.0') Ft/Hr: 19.64' MWD Survey: Having Problems Getting Tool Face On MWD Monitor (Transponder) Problem Rotate/Slide: Drilling From 3697' To 3740' (43.0') Ft/Hr: 17.20" 05/26/07 Rotate/Slide: Drilling From 3740' To 3952' (212.0') Ft/Hr: 16.96' Rig Service: Work On Torque Converter, Install New Gauges, Directional Survey, Held Safety Meeting Rotate/Slide: Drilling From 3952" To 4230' (278.0') Ft/Hr: 26.48' 05/27/07 Rotate/Slide: Drilling From 4230' To 4463' (233.0') Ft/Hr: 25.89' Rig Service: Change Oil In #1 Pump \*Torque Converter Rotate/Slide: Drilling From 4463' To 4782' (319.0') Ft/Hr: 22.0' 05/28/07 Rotate/Slide: Drilling From Rig Repair: Electrical Problem, Pason Went Down, Couldn't Get Tool Face On MWD Tool Rotate/Slide: Drilling From 4877' To 4909' (32.0') Ft/Hr: 9.14'

Rig Service: Fuctionally Operated 5" Pipe Pams Rotate/Slide: Drilling From 4909' To 5100' (191.0') Ft/Hr: 14.15' 05/29/07 Rotate/Slide: Drilling From 5100' To 5227' (127.0') Ft/Hr: 21.17' Rig Service: Held Safety Meeting: New Rig Personnel Rotate/Slide: Drilling From 5227' To 5495' (268.0') Ft/Hr: 15.31' 05/30/07 Rotate/Slide: Drilling From 5495' To 5578' (83.0') Ft/Hr: 15.09' \*Pason Down Rotate/Slide: Drilling From 5578' To 5609' (31.0') Ft/Hr: 8.86' \*Drilling Blind "NO" Pason Rig Service: Held Safety Meeting, Safety Topic: Drilling Blind COMPANY MAN Had Rig Pick Up & Circulate, Safety Issues Involved Rotate/Slide: Drilling With "Pason" From 5609' To 5627' (18.0') Ft/Hr: 36.0 Mix & Pump Pill \*Held Safety Meeting Tripping Pipe, Drill Collars, Laying Down Mud Motor POOH \*Observe Hole Closely, Drag (Over Pull 40,000# Over String Weight), "NO" Gain Or Losses Layed Down Directional Tools \*Mud Motor & Tool Carrier / Pick Up Another Mud Motor & Tool Carrier Dressed Bit #4 - Security - EBXS21S - Dressed With 3 x 20 Jets. RIH \*Install New Corrosion Rings 05/31/07 Slipping & Cutting 86' Of Drilling Line RIH To 5565' \*Fill Drilling Assembly @ 3,000' L/D Two (2) Joints 5" Drill Pipe For Reaming Purpose Wash & Ream To Bottom From 5565' To 5627' (62.0') Rotate/Slide: Drilling From 5627' To 5800' (173.0') Ft/Hr: 11.16' 06/01/07 Rotate/Slide: Drilling From 5800' To 5864' (64.0') Ft/Hr: 12.80' Rig Serive: Calibrate Hook Load & Patterson's Weight Indicator, Held safety Meeting Rotate/Slide: Drilling From 5864' To 5999' (135.0') Ft/Hr: 11.25' Mix & Pump Pill Note: Clevis (Shackle) Fell Out OF Derrick \*Had Near Miss Report POOH, Pull Rotating Rubber On 10th Stand, Check For Flow, "NO" Gain, Swabbing, Losses Rig Service, Functionally Operated Blind Rams, Held Safety Meeting: \*Check Mud Motor, Dress Bit #5 XS48SR, SN. 10856329, Jets. 3x20 - IADC: 627X 06/02/07 Run In Hole To 3,000' Install Rotating Head & Fill Drilling Assembly / Held Safety Meeting: Topic: Installing 5" Rotating Rubber Finish Running In Hole To 5937' / Lay Down Two (2) Joints 5" Drill Pipe To Ream Under-Gauge Hole Pick Up Kelly & Break Circulation / Wash & Ream From 5937' To 5999' (62.0') Rotate/Slide: Drilling From 5999' To 6053' (54.0') Ft/Hr: 12.0' Rig Service. Functionally Operated 5" Pipe Rams, Crown-O-Matic, Held Safety Meeting Rotate/Slide Drilling From 6053' To 6216' (163.0) Ft/Hr: 11.64' 06/03/07 Rotate/Slide: Drilling From 6216' To 6339' (123.0') Ft/Hr: 12.30' Rig Service: Functionally Operated Annular Preventer (Hydril) Held Safety Meeting, Rotate/Slide: Drilling From 6339' To 6435' (96.0') Ft/Hr: 16.0' Mix & Pump Pill, Held Safety Meeting: Topic, Tripping Pipe / Hevi-Wate Drill Pipe / Directional Tools POOH, Ten (10th) Stand, Set Back Rotating Rubber, Observe Hole "NO" Flow, Swabbing, Hole Static Functionally Operated Blind Rams, Dress Bit #6, Held Safety Meeting: Topic: Working With Directional Personnel / "Good" Communication Laying Down / Picking Up Weatherfords Mud Motor / Checking Out MWD Tools Running In Hole With Bit #6 06/04/07 Running In Hole With Bit #6 To 3100' Pick Up Kelly, Break Circulation (Fill Drilling Assembly) Finish Running In Hole To 6342' \*Layed Down Two (2) Joints 5" Drill Pipe (Wash & Ream) To Bottom Pick Up Kelly, Break Circulation Wash & Ream From 6342' To 6435' (93.0') Prep For PDC Bit Rotate/Slide; Drilling From 6435' To 6498' (63.0') Ft/Hr: 12.60' \*Light Plant Over-Heated & Died \*Restart Rig Service: Pin Fell Out Of Brake Bands (Serious Mechanical Problem)

Rotate/Slide: Drilling From 6498' To 6695" (197.0') Ft/Hr: 15.76'

06/05/07	Rotate & slide
06/06/07	Drlg & Slide from 7070 to 7134'
00/00/01	Rig serv
	Drlg & slide from 7134 to 7420'
06/07/07	Drlg & slide from 7420 to 7515'
	Rig serv
	Drlg & slide to 7533'
	Circ & cond hole for trip out to change bit
	POOH
	Pull rotating hesd rubber POOH w/BHA
	Change out mud mtr, & bit ,Orentate tools
	RIH
06/08/07	RIH ream one jt to btm
	Drlg & slide from 7533 to 7579'
	Rig serv
	Drlg & slide from 7579 to 7610'
	Rig serv
	Drlg & slide from 7610 to 7770'
06/09/07	Drlg & slide from 7770 to 7801'
	Rig serv
	Drlg & slide from 7801 to 7960'
06/10/07	Drlg & slide from 7960 to 7997'
	Circ & cond hole
	Pump pill & trip out of hole
	Safety meeting with Patterson safety hand
	POOH lay down 22 jts HWDP POOH w/BHA, check bit & change batteries in MWD tool
	RIH w/BHA
	Pick up 22 jts DP
	RIH
	Fill pipe & test MWD tool
	RIH
06/11/07	RIH
:	Wash & ream 90' to btm.
	Drlg & slide from 7997 to
06/12/07	Drlg & slide from 8280 to 8312'
	Change out rotating head rubber
	Drlg & slide from 8312 to8375'
	Rig serv
	Circ, check hook load, pump high vis sweep around, did not unload any excess cuttings
·	Drill & slide from 8375 to 8471'
06/13/07	Slide from 8471 to 8475'
00/13/07	Drlg & slide from 8475 to 8499'
	Spot Lubra bead sweep- 8500 to 7500', work pipe
	Drlg & slide from 8499 to 8510'
	Spot lubra bead sweep - 7500 to 6500', work pipe
	Rig serv, BOP drill
•	Drlg & slide from 8510 to 8598'
	Spot lubra bead sweep - 7500 to 6500', work pipe

	Drill & slide from 8598 to 8662'
	Spot lubra bead sweep
06/14/07	Spot lubra bead sweep & work pipe
	Drlg & slide from 8662 to 8822'
	spot sweep & work pipe
	Drlg & slide from 8822 to 8949'
	Spot sweep & work pipe
	Drlg & slide from 8949 to 9013'
	Spot sweep & work pipe
	Drlg & slide from 9013 to 9077'
06/15/07	Drig from9077 to 9084'
	Rig serv
	Drlg from 9084 to 9204'
	Spot Lubra bead sweep & work pipe
	Drlg & slide from 9204 to 9392'
	Spot Lubra bead sweep & work pipe
	Drill & slide from 9392 to 9520'
	Change out #1 Draworks mtr clutch
	Drill from 9520 to 9552'
06/16/07	Drlg from 9551 to 9616'
	Spot lubra bead sweep & work pipe
	Drlg & slide from 9616 to 9775'
	Rig serv
	Drlg & slide from 9775 to 9966'
	Spot lubra bead sweep & work pipe
	Drlg & slide from 9966to 10013'
06/17/07	Dela 8 alid from 10012 to 10156!
00/17/07	Drig & slid from 10013 to 10156' Spot Lubra bead sweep & work pipe
	Drig & slide from 10156 to 10192'
	Rig serv
	Drig & slide from 10192 to 10284'
	Spot lubra bead sweep & work pipe
	Slide from 10284 to 10289', Mud mtr. Failed
	Pump sweep, circ & cond hole, pump weighted pill
	POOH for motor
06/49/07	DOOL firm
06/18/07	POOH f/mm Lay down six jts HWDP & Mud Mtr
	Pick up new mud mtr & rih w/BHA, install rotating head
	Rig repair - Change out #1 Dwks motor clutch, Adj brakes, Tighten module on #2 pump
	Rig repair - Replace reverse chain in Dwks
	Slip & cut 133' of Drlg line
	RIH
	Fill pipe @ 3200'
	RIH
	Fill pipe @ 7300', Lay down 2 washed Jts DP
	RIH, pick up singles, wash & ream to bottom
06/19/07	Pick un singles & wash & ream to Rtm
00/19/07	Pick up singles & wash & ream to Btm Drlg & slide from 10289 to 10598'
	5.13 4 0.100 1.0111 10200 to 10000
06/20/07	Drig & slide from 10598 to 10669'
	Rig serv
	Drlg & slide from 10669 to 10818'

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06/21/07	Drlg & slide from 10818 to 10949'
	Rig serv
	Drlg from 10949 to 10950'
	Circ & cond hole, spot lubra bead sweep & work pipe, Circ & cond circulate gas out thru buster
	Mix & pump dry up pill
	POOH stand back 73 stds DP
	Rig up Lay down machine
	Lay down grade "G" pipe
06/22/07	Lay down grade "G" DP
	POOH w/BHA
	Change out Bit, Mud mtr, & MWD tool
	Pick up grade "S" DP, new DP make up ,break & redope, make up
	Install rotating head rubber,Fill pipe
	Pick up grade "S" DP, new DP make up ,break & redope, make up
	Move lay down machine & move drill pipe
	Pick up grade "S" DP, new DP make up ,break & redope, make up
	Pick up Kelly, Circ trip gas out & rig down lay down machine
	Wash & ream from 10760 to 10950'
	Drill from 10950 to 10970'
06/23/07	Drlg from 10970 to 11002'
00/20/07	Rig serv
	Drig from 11002 to 11016'
	POOH, pulled bit for ROP
	Lay down directional tools, monel,MWD,mud mtr, hang off tool
	Pull wear bushing
	Rig up Quick Test, pressure test
06/04/07	Processors deat BOD at a la
06/24/07	Pressure test BOP stack, upper & lower kelly cocks & safety valve to 250/3000 psi, test Hydril to 250/1500 psi all tests held
	5 min low & 10 min high No leaks observed
	Install wear bushing, pick up mud mtr & Teledrift sub, install Teledrift tool
	Pick up 6jts HWDP, RIH
	Install rotating head, fill pipe
	RIH
	Wash 90' to Btm.
	Drill from 11016 to 11047'
	Rig serv
	Drig from 11047 to 11106'
06/05/07	Dula from 14406 to 14407
06/25/07	Drlg from 11106 to 11137' Rig serv
	Drig from 11137 to 11151'
	Work pipe, spot Lubra bead sweep & work pipe
	Drlg from 11151 to 11211'
06/26/07	Drlg from 11211 to 11258'
'	Spot Lubra Bead sweep & work pipe
	Drlg from 11258 to 11262'
	Rig serv
	Drig from 11262 to 11357'
06/27/07	Drlg from 11357 to 11369'
	Spot Lubra bead sweep @ 6500', work pipe
	Drlg frm 11369 to 11395'
	Spot lubra bead sweep @ 6500' & 9800', work pipe
•	

Drlg from 11395 to 11434', working on #1 pump Circ & cond hole, pump pill POOH Change bit,RIH w/MM & Teledrift, pick up 3 jts HWDP RIH 06/28/07 RIH Drlg from 11434 to 11580' Spot lubra bead sweep & work pipe Drlg from 11580 to 11605' 06/29/07 Drig from 11605 to 11624' Spot lubra bead sweeps @ 6500' & 9800' Wiper trip 10 stds. Drlg from 11624 to Rig serv Drig from 11637 to 11643' РООН 06/30/07 Rig serv Lay down mud motor, pick up fresh mtr , bit & teledrift RIH Install rotating head, fill pipe & break circ Rih to 8300° Fill pipe pump high vis sweep, circ sweep & gas out of hole RIH Wash & ream 60' to Btm Drlg from 11643 to 11766' 07/01/07 Drlg from 11766 to 11824' Rig serv, Survey Drlg from 11824 to 12027' 07/02/07 Drlg from 12027 to 12045' Rig serv Drlg from 12045 to 12089' Circ & cond hole, pump pill POOH Work tight hole, 11400 to 11200', spot Lubra bead sweeps & workup out of hole POOH, SLM 07/03/07 Finish laying down HWDP, POOh w/BHA break bit Pick up new bit, Change outteledrift tool & adjust Rig serv, work on Dwks transmission RIH to 3061' Slip & cut Drlg line, Dwks transmission not shifting RIH to 8026' Install rotating head, Circ & cond hole, circ trip gas out RIH to 11150' Wash & ream from 11107' to RIH Wash & ream from 11997 to 12087' Drlg from 12087 to 12110' 07/04/07 Drlg from 12110 to 12146' Ria serv Drlg from 12146 to Work tight hole, pump high vis sweep & Lubra bead sweeps - Spotted bead sweeps @ 12177 to 10100', 10100 to 8100', 8100 to 6100', Set kelly back, POOH - wiper trip out to 8829' Circ & cond, circ trip gas out RIH

#### 07/05/07

RIH

Wash & ream 120' to bottom Drill from 12177 to 12260'

Circ & cond hole, pump high vis sweep

Wiper trip

Circ& cond, spot Lubra beads, drop survey

POOH f/logs

#### 07/06/07

POOH f/logs

Rig up Halliburton wireline

Run wirelkine logs

Rig down loggers

RIH

#### 07/07/07

Fill pipe & break circulation

RIH

Break circ & circulate btms up, & gas out

RIH

Wash & ream 40'to btm

Circ & cond hole to LDDP, Spot Lubra beads 7 Pump pill

DDP

Pull rotating head, Break kelly, could not break saver sub from lower kelly valve, repair tong breakout line

LD HWDP & pull wear bushing

Rig up casing crew, & run 5 1/2 production casing

#### 07/08/07

Run 5 1/2 Prod casing

Install circ swedge & fill pipe

Circ & cond, Rig up BJ cementers, Held safety meeting

Pump 1st stage cement & displace, Drop bomb & open DV tool

Circ between 1st & 2nd stage , rate 3.7 bbl/min

Ran 312 jts 5 1/2, 17#, P110, N80LTC & N80BTC casing, landed @ 12252.61' Ran: Guide shoe 1.35' 1 Shoe jt 38.54, 1 Weatherford Float Collar 1.25', 20 jts P110 csg 769.33, 1- P110 Marker Jt 17.96', 29 jts P110 csg 1152.30', 1-P110 Weatherford Stage Tool 2.12', 10 jts P110 csg 341.11', 187 jts N80LTC Prod csg 7379.82', 1- N80 LTC pin by BTC box XO jt 39.33', 64 jts N80BTC Prod csg 2510.06 Total 12252.90'

#### 07/09/07

Pump second stage cement & displace, Plug down @ 0902 hrs 7-8-07, bump plug 1500psi over ,floats held Nipple down BOP, Set casing slips & cut off casing, Clean mud tanks

Rig released to move @ 1800 hrs 7-8-07, Will move rig to Ute Tribal 6-16-14-20 well SDFN Morning tour to work daylights rigging down & moving rig

Cemented 5 1/2 Prod casing with BJ cementers as follows: 1st stage, pumped 20 bbl mudclean I spacer, 24 bbl 2% claytreat spacer, Mix & pump 312 sx Premium Lite II High Strength cmt +.05 #/sx Static Free + .4% R-3 + 3% KCL + .25 #/sx Cello Flake + .9% FL-25 + 1 gal/100sx FP-6L + 25% Silica Flour + .2% BA-59 13 ppg 2.34 y, Displaced with 283 bbls mud, bumped plug 500 psi over, Floats held, Drop opening tool Pressure up on DV tool &open tool, circulate 4 hrs with rig pump.

Second stage lead: pumped 20bbl 2% claytreat spacer 24 bbl Mudclean I spacer, 20bbl 2% claytreat spacer

Mix & pump 1020 sx Pre Lite II cmt + 3#/sx CSE + .4% R-3 + 3% KCL + 10% bentonite + .2% Sodium Metasilicate

at 11.2 ppb 3.15 y, Pumped 63 sx Pre Lite II High Strenght tail cmt + .05% Static Free + .4% R-3 + 3% KCL + .9%

FL-25 + 1 gal/100 sx FP-6L + .2 % Sodium Metassilicate + .2% BA-59 Displaced with 239 BBLs fresh water, Bump plug & pressure up 1500 psi
over, shut down Check DV tool, Held Bled back approx 1.5 bbl, rig down BJ cementers

#### WELL COMPLETION REPORT MILLER DYER & CO, LLC UTE TRIBAL 15-25-14-19 NW/SW SEC 30, T 14S -R 20E

UNITAH COUNTY, UTAH

#### August 17, 2007

Move on and rig up Leed rig 677. Spot pump and tank. Spot water tank. Remove thread protecters and tally 2 7/8" N-80 tbg. Rig up pump and tank. Have Cameron install tbg spool and test to 5000 psi. NU Nabors 5000 psi BOP with Washington head. Rig up tbg equipment and floor. Pick up Varel 4 ¾" L2 Serial # 990027 rock tooth bit with 2 7/8" SN. RIH with tbg. Pick up 193 jts. Approximately 6300'. SWIFN In A.M. Finish picking up tbg. Drill out DV Tool

#### August 18, 2007

0 psi on well. Finish picking up tbg. Tag cement @ 10239' KB on jt# 313. 31' above DV Tool. Rig up HS Rentals power swivel and install Washington rubber. Wait on truck to respot rig pump. Move pump. Rig up lines. Start drilling. 3 bpm @ 700 psi. 90 rpm @ 1200 ft/lbs torque. 45,000 pull up. 38,000 slide down. Drill soft cement to DV tool @ 10270' KB on jt # 314. Drill up DV tool in 28 min. Make another connection. Circulate bottoms up. Set back swivel. Finish RIH. Tag cement @ 12176' KB on jt # 373. 35' above PBTD and 354' below proposed Lower Entrada perfs. Circulate well clean. Lay down 1 jt. SWIFN

In A.M. Pull bit and tbg. Round trip csg scraper.

#### August 19, 2007

No pressure on tbg or csg. Pull tbg and bit. Remove bit. Pick up Nabors 5 ½" csg scraper and same bit. RIH with tbg. Run scraper to top of cement @ 12176' KB with 373 jts. Lay down 17 jts. POOH with 356 jts and csg scraper. Lay down bit and scraper. SWIFN In A.M. Bond log and perforate Lower Entrada

#### August 20, 2007

0 psi on well. Wait on Wireline. Flat tire on way to location. Rig up J-W Wireline with flange and lubricator. Pick up tools. RIH. Coorolate to HES log dated 7/05/07. Run Gamma Ray C.C.L., Cement Bond VDL from Loggers TD 12163' KB to 3000' KB, 172' above bottom of surface csg. Hold 1000 psi on well with rig pump while logging. Excellent cement from 12163' to 5100'. 85% bond plus. Good cement from 5100' to top of cement @ 3952' KB. Top of cement is 780' below surface csg. POOH. Lay down logging tools. Call engineer with results. Wait on orders. BLM will allow us to perforate and complete Entrada zones. Pick up perforating guns. RIH. Perforate Lower Entrada from 11727-11746', 11768-11789', 11811-11822' KB. 51' total. Perforated using 3 3/8" scallop guns, 23 gram charges, 0.42" EHD, 47.36" Pen, 60 deg phasing, 4 SPF, 204 shots total. Made 3 perforating runs. All shots fired. Fluid level 2<sup>nd</sup> and 3<sup>rd</sup> runs was 60' from surface. Rig down Wireline. No pressure on well. SWIFN In A.M. check pressures. Run tbg and packer. Swab

#### August 21, 2007

Well on slight vacuum. Pick up Nabors 5 ½" 10K AE-1 Fullbore Arrowset packer with 2 7/8" SN. RIH with tbg. Try to set packer @ 11665' KB with 357 jts. Kept slipping. Lay down 1 jt. Set packer @ 11623' KB with 256 jts. 104' above Lower Entrada perfs. Rig up to swab. Swab. SFL was surface. Well swabbed right down to 6000'. 35 bbls-4 runs. Next 3 runs(7 total) fluid level stayed @ 6000'. No gas 100% water. Tbg on vacuum after every run. Leed went in hole too fast with sand line. Put a huge kink in sand line. We were able to get sand line out of hole, but not able to swab safely. Lay down swab. SWI Shut down until Monday 8/28. Leed will repair sand line during days off. Recovered 23 bbls last three runs. 58 bbls total.

On Monday 8/27 check pressures and swab?. Acidize with BJ Will check pressure on 8/22 Try get well to flow.

#### August 22, 2007

1625 psi on tbg. 20 psi on csg. Open tbg to rig tank on 18/64" choke. Well blew down to 100 psi in 45 min. All gas no fluid. SWI. Remove choke. Open well back up. Try to get well to unload fluid. Only gas. Flow wide open for 1 hr. Did not make any fluid. SWI until Monday. Talked with Leed. Still do not know exactly when they will fix sand line. Probably on the 23<sup>rd</sup>.

On 8/27 blow well down. Swab. Acidize with BJ.

#### August 27, 2007

Slight blow on csg. 2425 psi on tbg. Blow well down on wide open choke. Well blew down to steady blow. No Fluid. Pour new rope socket. Swab. SFL was 6700'. 2<sup>nd</sup> run was 9500'. 3<sup>rd</sup> was 11,000'. Swab well down 14 bbls. 72 bbls total. 100% of tbg and csg volume to bottom perf. Strong blow after every run. Make 2 more swab runs. Dry runs. No fluid. BJ showed up @ 2 PM. Rig up BJ. Do not pump acid. Not enough time to acidize and swab acid back. After 2nd dry run. SWIFN.

In A.M. Blow well down, Swab run, Acidize with BJ.

#### August 28, 2007

1750 psi on tbg. Slight blow on csg. Blow well down on 2" choke. Did not bring any fluid. Swab. Went to the SN. Did not feel any fluid. POOH- No fluid. Lay down swab. Rig up BJ. Acidize Lower Estrada perfs 11727-11822' with 2500 gal 7.5% HCL acid.(2 7/8" tbg, packer set @ 11623' KB). Pressure csg to 500 psi. Test tbg lines to 5800 psi. Pump 5.3 bbls fresh water with biocide. Starting pressure was 85 psi. Follow with 500 gal(11.9 bbls) 7.5% HCL with 25 gal Ferrotrol 300L, 3 gal NE-940, 5 gal CI-25. Pump next 1500 gal(35.7 bbls) acid with 400 7/8" 1.3SG Ball Sealers. Follow with 500 gal 7.5% HCL acid. Flush tbg and csg with 72.9 bbls Biocide water(To bottom perf plus 1 bbl). Pumped acid @ 3 bpm-30 psi(friction pressure). Hole loaded with 71 bbls. Pressure climbed to 1944 psi-3 bpm. Broke back to 1850 psi. Acid on perfs 3 bpm @ 1850 psi. Broke back to 1450 psi-3 bpm. Then slow increase to 1475 psi. Increased rate to 4 .25 bpm(all the pump would pump) @ 2000 psi. Did not get balled out but did see some ball action. Displace acid with 72.9 bbls water. Shut down. ISIP was 944 psi.(frac gradient is

0.513) 5 min-388 psi. 10-min was 135psi. 15 min was 0 psi. pumped total 137 bbls( 58.8 bbls acid and 78.2 bbls water). Rig down BJ. Rig up solid line to flowback tank. Let acid set for 1 ½ hrs. well on vacuum. Start swabbing. SFL was 700'. 2<sup>nd</sup> run was 1300'. 3<sup>rd</sup> run was 2000'. 4th run was 2500' 5th run was 2000'. Made 5 runs and well started flowing. Swabbed back 58 bbls. 79 bbls left to recover. SWI. Lay down swab. Hook up tbg to flowback tank. Open well on 16/64" choke. Starting pressure was 850 psi. Flow test Lower Entrada Zone.

Time	Tbg pressure	Choke	Guage	BPH	BBLS Recovered	BBLS Left
13:00	850	16/64	13"		58	79
14:00	550	16/64	14"	4	62	75
14:30	550	32/64	14"	0	62	75
15:00	300	32/64	15"	5	67	70
16:00	250	32/64	1 <b>6"</b>	4	71	66
17:00	200	18/64	17"	5	76	61
18:00	425	18/64	171/4	1	77	60
21:00	400	18/64	17 ½"	1	78	59
24:00	400	20/64	17 ½	0	78	59

Went to 20/64" choke at midnight. Pressure had stabilized and not bringing fluid.

#### August 29, 2007

00 hrs 400 psi on 20/64 "choke. Flow testing Lower Entrada perfs after acid breakdown.

-			_	_		
Time	Pressure	Choke	BPH	TBBLS	BLTR	
04:00	400	20/64	0	78	59	
Went to 3	32/64" choke. N	Not recovering	g fluid.			
07:00	200	20/64	1	79	58	
Remove	d choke. Try to	get well to m	ake fluid.			
08:00	50	NO	2	81	56	
09:00	45	NO	1	82	55	
10:00	40	NO	0	82	55	
Pick up sw	ab. Blow well o	down swab.				
12:00	20	NO	5	87	50	

Pull swab @ 13:00 hrs. No fluid. 20 psi on well on 2" choke. Pull another swab @ 15:00 hrs. No fluid. Lay down swab. Open well up to flowback tank on 16/64 choke. Leave well open to flowback tank overnight.

In A.M. Blow well down. Swab or pull packer?

#### August 30, 2007

FTP was 400 psi on 16/64" choke. Did not make any fluid overnight. Blow well down swab. Swabbed 2 bbls fluid. 89 total. 48 LTR. Lay down swab. Load tbg with 50 bbls water. Release packer. Pick up 6 jts. RIH to run packer thru perfs in case balls are stuck to perforations. POOH laying 2 7/8" tbg down on racks. Lay down 288 jts(304 total). Hook up csg and tbg to flowback tank. Leave open to flowback tank overnight. In A.M. Finish laying down tbg. RDMO

#### August 31, 2007

Slight blow on tbg and csg. Finish laying down tbg. Lay down 74 jts(378 total) and Nabors packer. Load out tbg equipment and floor. ND BOP. NU Tree. Rig up flowback line from wing valve on wellhead to flowback tank. Drain water(fresh) out of rig tank to pit . Load out pump and tank. RDMO Leed rig 677. Leave well shut in. Final pressure was 75 psi. Wait on frac.

#### **September 22, 2007**

Install Stinger wellhead isolation tool on well. Rig up Halliburton. Frac Lower Entrada perfs (11,727'-11,822') utilizing a 70% CO2 Phaser Frac system. Placed 4,000# of 100 mesh sand and 103,000# of 20/40 ceramic proppant in formation. Total CO2 volume was 136 tons. Well broke at 2251 psi. ISIP was 1636 psi. Rig up Lone-Wolf Wireline. Set composite flo-thru plug at 11,700'. Perforate Upper Entrada zones (11,650'-11,656', 11,665'-11,679') perfs w/ 3-1/8" gun, 4 JSPF, 22.7 gm charge, 0.44" entry hole w/ 37" of penetration, 120 degree phasing. Frac Upper Entrada perfs (11,650'-11,679') utilizing a 70% CO2 Phaser Frac system. Placed 2,500# of 100 mesh sand and 45,500# of 20/40 ceramic proppant in formation. Total CO2 volume was 80 tons. Well broke at 2505 psi. ISIP was 2274 psi. Rig down Halliburton. Remove Stinger wellhead isolation tool. Begin flowback.

#### **September 24, 2007**

Well died. 0 psi on well this morning. Move pipe racks and catwalk from 6-16. Load 378 jts 2 7/8" tbg onto racks. Move BOP and power swivel to location. Wait for roads to dry. Move on rig up Leed Rig 677. Leave well open to flowback tank. Well completely dead.

#### **September 25, 2007**

Well came to life in middle of night. SWI. Washed out couple swings, tire, frame and fender on flowback trailer. Flowback tees were installed wrong. Repair flowback tees. Open well to flowback tank 08:30 hrs on 12/64 choke.

Time	choke	pressure	tank guage	bbls made	total bbls
8:30	12/64	2260	10 ¾"	0	0
9:30	12/64	2300	10 ¾"	0	0 (no sand)
Ch	ange chol	ce to 14/64			
10:30	14/64	2290	11	.84	.84(no sand)
11:30	14/64	2300	11	0	.84(trace sand)
12:30	14/64	2310	11 ¼"	.84	1.68(no sand)
(	Change ch	oke to 16/64			
13:00	16/64	2300	11 ¼"	0	1.68(no sand)
C	hange cho	oke to 18/64			
13:30	18/64	2290	11 ¼"	0	1.68(no sand)
(	Change ch	oke to 20/64			
14:00	20/64	2260	11	0	1.68(no sand)
(	Change ch	oke to 22/64			
14:30	22/64	2250	11	0	1.68(no sand)
15:00	22/64	2225	11	0	1.68(no sand)

Not n	naking as n	nuch CO2			
16:00	22/64	2200	11	0	1.68(no sand)
17:00	22/64	2200	11	0	1.68(no sand)
20:00	22/64	2210			1.68(no sand)

Flowback tank froze off. Open well to pit.(making more CO2 again) Well dumped fluid to tank. CO2 froze it. No sand in fluid. Will guage tank in A.M.

21:00	22/64	2200
24:00	22/64	2100

#### **September 26, 2007**

		,	
2:00	22/64	2050	(No sand, Less Co2)
5:00	22/64	2025	No sand more Co2
8:00	22/64	2000	No sand-well had unloaded about 50 bbls water to pit.
Washe	ed out fit	ting. Not mak	ring sand or fluid now.
10:00	22/64	1975	No sand or fluid
11:00	22/64	1975	No sand or fluid(More Co2)
14:00	22/64	1960	Straight gas(mostly Co2)
17:00	22/64	1950	Straight gas(mostly CO2)
17:30	hrs. SWI	IFN @ 1950 p	osi
18:30	hrs- 220	0 psi.	
19:30	hrs- 2250	0 psi	

In A.M. Sey CFP, Blow well down, Run bit and tbg.

#### **September 27, 2007**

2400 psi on well. Rig up Cutter Wireline Service. Pick up 4.50" gauge ring(plug is 3.66"). RIH to 11636' kb. 14' above perfs and 16' below where we are going to set CFP. Did not feel anything. POOH. No sand on tools. Pick up HES 5K 5 ½" EZ Drill CFP(3.66" OD). RIH set plug @ 11620' KB. 30' above top perfs. POOH. Rig down Cutter. 2450 psi on well now. Blow csg down to pit. ND frac valve. NU BOP. Rig up tbg equipment and floor. Pick up Varel 4 ¾" L2 bit(used), Nabors pump off bit sub with plug in place, 2 3/8 EUE pin X 2 7/8" EUE box X over, 2 7/8" XN nipple, 1 jt 2 7/8" N-80 EUE Tbg, X nipple, rest of tbg. Note(Had Straight Shot truck haul Stinger frac valve back to Vernal.) had Nabors Hydril delivered to location. Weatherford moved foam unit to location and rigged up same. Run 355 jts to 11605' KB. 15' above CFP. NU hydril. SWIFN

Leed has safety meeting in A.M. Should be on location @ 11 A.M. In A.M. Pick up swivel, Drill up CFP using Weatherford foam unit.

#### **September 28, 2007**

0 psi on csg. Slight blow on tbg. Rig up swivel. Tag plug @ 11620' KB on jt# 356. Start pumping air and water. 1800 CFM and 0.5 bbl water per minute. Pressure started @ 500 psi. Rotate 80 RPM @ 2000 psi torque. Drill 1<sup>st</sup> plug in 4 min. Flowing well to pit on 48/64 choke. Started at 100 psi on csg. Drill plug and pressure went to 1900 psi. Pipe a little sticky. Work up and down. Free up pipe. Make connections. Tag 2<sup>nd</sup> CFP @ 11700' on jt# 359. No sand on plug. Drill plug in 1 hr. Trouble rotating pipe. Something along

side of tbg. Work up and down to get tbg freed up. We are able to go up and down just have trouble rotating. Finally free up and drill 2nd plug. Pump pressure has increased to 1400 psi. Push plug down to 11930' KB on jt#365. 108' below bottom perf. Plug hung up there. Have trouble rotating. Pump sweeps, polymer. Not able to free up rotation. Work plug down to 11935' KB. 113' below perfs. Finally quit making hole. Still not able to rotate freely. Set back swivel. Pull above top perfs-9 jts. Work pipe. Appears to be free. SWIFN We had our chokes plug up several times-frac plug, rubber. Had very little sand. In A.M. Pick up swivel, make sure we can rotate. Then go finish cleaning out to PBTD

#### **September 29, 2007**

0 psi on tbg. 2400 psi on csg. Rig crew not here until 8 A.M. Did not want to work today! Leave well shut in for weekend. Should have another crew here on Monday. On Monday. Pick up swivel and clean out to TD.

#### **September 30, 2007**

2550 psi on tbg. Should have crew in A.M. Leed pusher(Tony) said he would have crew.

#### **October 1, 2007**

Slight blow on tbg. 2550 psi on csg. We are 9 jts off of bottom. Pick up swivel and see if we can rotate. We cannot. Set back swivel. Pull 2 jts to string float. 2100 psi on float. Have to pump 37 bbls water to kill tbg. Remove string float. Pull 8 more jts. Pulling free. Pick up swivel. Able to rotate. Work pipe. We are free. Set back swivel. Run 19 jts. Swivel up. We are able to rotate. Get circulation. Just get circulation and the swivel quits rotating. Work pipe. Get pipe rotating. Start drilling. No fill. Tag fill @ 11935'. 113' below bottom perfs. Drill for 15 min. Made 6" hole. Quit rotating. Work pipe. Cannot get pipe to rotate. Set back swivel. Pull 11 jts. Pick up swivel. Pipe still will not rotate. Call for orders. Land tbg. Kill tbg with water. Remove string float. Land tbg on hanger @ 11639.87' KB. 10' above top perf. Load out tbg equipment, floor. ND BOP and Hydril. NU Tree. Drop ball. Pump off bit sub @ 1650 psi. Rig down Weatherford foam unit. Flow csg until turns to gas. Flow water out of tbg. ND flowback manifold. Too windy to rig down. SWIFN Note: ( Leave 4 ¾" bit and bottom 11 ½" of bit sub-3 1/8" O.D. for 7.25" then bevels out to 3 ¾" for 4 ¼".

In A.M. RDMO Leed rig 677

#### **October 2, 2007**

2300 psi on tbg and csg. RDMO Leed rig 677. Open tbg to pit on 16/64" choke. 2250 psi. 3334 MCFD-initial rate. Csg pressure came down to 2250 psi. Shows not much fluid in well. 11:00 hrs. Blowing wet gas-No sand."note" 22 jts tbg left on location.

# Tbg in well as Top of pump off bit sub-3 1/8" OD 0.71 2 3/8" pin X 2 7/8" box-1.91 ID, 3.50 OD 0.50 2 7/8" XN nipple. 2.31 ID 2.205-no go 1.31 1 jt 2 7/8" N-80 EUE Tbg 32.97 2 7/8" X nipple 2.31 ID 1.31 355 jts 2 7/8" N-80 EUE Tbg 11583.86

C/KB End of Tbg Top of Perfs 19.80 11640.46' KB 11650' KB Form 3160-5 (August 2007)

# UNITED STATES

#### DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

**SUNDRY NOTICES AND REPORTS ON WELLS** 

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

**COPY SENT TO OPERATOR** 

Lease Serial No. 20G0005581

6. If Indian, Allottee or Tribe Name Ute Indian Tribe

#### Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit of CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on page 2. N/A 1. Type of Well 8. Well Name and No. Ute Tribal 15-25-14-19 Oil Well Gas Well Other 2. Name of Operator Miller, Dyer & Co. LLC 9. API Well No. 4304739052 3a. Address 3b. Phone No. (include area code) 10. Field and Pool or Exploratory Area 475 17th Street Suite 1200, Denver, CO 80202 Flat Rock 303-292-0949 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) 1710 FSL 407 FWL NWSW, Sec. 30 T148-R20E 11. Country or Parish, State BHL: 693 FSL 2013 FEL, SWSE, Sec 25 T14S-R19E Uintah 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Acidize ] Deepen Production (Start/Resume) Water Shut-Off ✓ Notice of Intent Alter Casing Fracture Treat Reclamation Well Integrity Other Shoot and Squeeze Casing Repair **New Construction** Recomplete Subsequent Report Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If

the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once

- testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)
  - 1. MIRU service unit.
  - 2. Kill well.
  - 3. Remove wellhead. Install BOP.
  - 4. Tag for fill using the 2-7/8" tubing. Cleanout if necessary. TOOH.
  - 5. Pick up casing scraper and TIH below setting depth of the RBP (i.e. >6000'). TOOH.
  - 6. Set RBP on tubing @ +/- 6000'. Pressure test to 1000 psi.
  - 7. Spot 100' sand plug on RBP and TOOH.
  - 8. RU wireline. RIH w/ gauge ring and junk basket to 4000.
  - 9. Perforate 1' (4 spf, 90 degree phasing) @ 3920'.
  - 10. Set cement retainer @ 3820'. RD wireline.
  - 11. TIH w/ 2-7/8" tubing and sting into cement retainer.
  - 12. Cement annular space back to surface using 235 sx Premium Lite II followed by 446 sx Class G cement per BJ recommendation. TOOH.
  - 13. Run CCL / CBL to verify cement top and obtain BLM approval.
  - 14. TIH w/ 2-7/8" tubing and bit. Drill out cement retainer @ 3820' and cleanout to top of RBP @ 6000'. TOOH.
  - 15. Pick up retrieving tool and TIH. POOH w/ RBP.
  - 16. Rerun production tubing

(Instructions on page 2)

17. KDMO and return well to production.	
14. I hereby certify that the foregoing is true and correct. Name (Printed/	Typed)
Jeffrey H. Lang	Title Vice President of Operations
Signature Signature	Date 4 21 08
	FOR FEDERAL OR STATE OFFICE USE
Approved by	Accepted by the Utah Division of Federal Approval Of This Action Is Nedessary
Conditions of approval, if any, are attached. Approval of this notice does net that the applicant holds legal or equitable title to those rights in the subject entitle the applicant to conduct operations thereon.	lead which would office 8
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make in a fictitious or fraudulent statements or representations as to any matter with	Thine for any person knowing of and will fully to make to any department or agency of the United States any false, in its jurisdiction

APR 2 4 2008

# REMEDIAL SQUEEZE PROCEDURE MILLER DYER & CO, LLC UTE TRIBAL 15-25-14-19

API #43-047-39052

NWSW SECTION 30-T14S-R20E (Surface Location)
SWSE SECTION 25-T14S-R20E (BH Location)
UINTAH COUNTY, UTAH

#### **Objective:**

Kill well, check for fill, perforate and remedially squeezed annular space from existing TOC to surface. Verify results with CBL and RTP.

#### **Notes:**

See attached Wellbore Diagrams

27/8" 6.5# N-80, EUE tubing is currently landed @ 11,641"; well is currently producing.

#### Equipment to be procured:

Rental tools: 7 1/16" BOP, annular preventer, 2 7/8" Kelly cock & TIW valves, 2 7/8" inside BOP and dart valve w/ bleedoff

Tanks for flowback and returns, kill water and cementing water.

#### **Procedure:**

- 1. Check location and verify tested rig anchors. Prepare location as necessary for rig and associated equipment. MI same.
- 2. Kill well with produced water. Observe static conditions before moving forward.
- 3. Remove wellhead; install BOPE. Verify all aspects of the BOPE are in working order before proceeding to Step #4.
- 4. Tag for fill, cleanout as necessary. POOH standing back tubing. Pu 4 %" casing scraper and RIH below setting depth of RBP. TOOH
- 5. PU 5  $\frac{1}{2}$ " tubing set RBP and set @ +/- 6000'. Pressure test plug to 1000 psi. If plug tests, spot 100' sand plug. TOOH with tubing.
- 6. RU wireline truck with full lubricator. RIH with 4 ¾" guage ring/junk basket to 4000'. Perforate with 1 foot gun with 4 spf (90 degree phase) at 3920'. Set 5 ½' CICR on wireline at 3,820'. RD wireline.
- 7. PU cement stinger and TIH w/2 7/8" tubing. Sting into retainer. Test annulus to 1000 psi; hold while cementing.
- 8. RU cementing equipment with cement manifold and establish rate with produced water.
- 9. Pump 235 sx Premium Lite II cement, followed by 446 sx Class G cement per attached BJ recommendation # 179968411G.
- 10. Un-sting from CICR and reverse hole clean.

- 11. TOOH standing back tubing. Put 500 psi on casing and SD for night.
- 12. Bleed off pressure and RU wireline. Run CCL /CBL. Verify cement top and obtain BLM approval with the results. If there is any indication of a micro annulus rerun CBL with 1000 psi before contacting BLM. If additional cement is necessary, a new procedure will be completed based on results of the CBL and BLM input.
- 13. Upon successful annular cement repair. PU 4 3/4" bit and bit sub and TIH. Drill-out CICR and cleanout to top of RBP which was left at 6000'. TOH
- 14. PU retrieval tool TIH and POH with RBP.
- 15. Rerun production tubing as was retrieved.
- 16. RDMO rig and equipment. Clean up location and return all rental equipment.

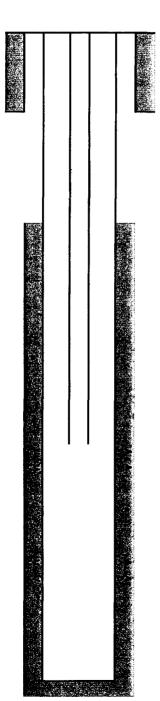
#### **Wellbore Diagram Pre-Workover**

Miller Dyer & Co., LLC UTE FEDERAL 15-25-14-19

Surface Location: 1710'FSL, 407'FWL; Sec 30 T14S R20E BH Location: 693'FSL, 2013'FEL; Sec 25 T14S R20E

API # 43-047-39052 Uintah County, UT

> KB - 7,229' GL - 7,209'



9-5/8" 36#, J-55 @ 3,170' w/ 804 sx cmt w/ sks

TOC @ 3,950'

DV Tool @ 10,270'

2 7/8" Tubing set @ 11,641'

X Nipple(2.31" ID) @ 11,604'

XN Nipple(2.205" ID) @ 11,638'

11,650-11,659' **Upper Entrada** 11,665-11,679'

11,727-11,746' **Lower Entrada** 11,768-11,789' 11,811-11,822'

TD: 12,260'

5 1/2", 17#, N-80, Buttress: 0-2,510' KB 5 1/2", 17#, N-80, LTC: 2,510-9,929' KB 5 1/2", 17#, P-110, LTC: 9,929-12,253' KB

PBTD @ 11,935' KB

Casing Set @ 12,253' w/ 1395 sx

Casing Set @ 11,751 TVD

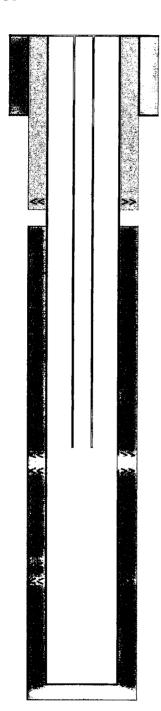
#### **Wellbore Diagram Post-Workover**

Miller Dyer & Co., LLC UTE FEDERAL 15-25-14-19

Surface Location: 1710'FSL, 407'FWL; Sec 30 T14S R20E BH Location: 693'FSL, 2013'FEL; Sec 25 T14S R20E

API # 43-047-39052 Uintah County, UT

> KB - 7,229' GL - 7,209'



9-5/8" 36#, J-55 @ 3,170' w/ 804 sx cmt w/ sks

Squeeze Holes @ 3,920' w/ Cement to Surface

TOC @ 3,950'

DV Tool @ 10,270'

2 7/8" Tubing set @ 11,641'

X Nipple(2.31" ID) @ 11,604'

XN Nipple(2.205" ID) @ 11,638'

11,650-11,659' Upper Entrada

11,665-11,679'

11,727-11,746' Lower Entrada

11,768-11,789' 11,811-11,822'

TD: 12,260'

5 1/2", 17#, N-80, Buttress: 0-2,510' KB 5 1/2", 17#, N-80, LTC: 2,510-9,929' KB 5 1/2", 17#, P-110, LTC: 9,929-12,253' KB

PBTD @ 11,935' KB

Casing Set @ 12,253' w/ 1395 sx Casing Set @ 11,751 TVD





Proposal No: 179968411G

### Miller, Dyer & Co.,LLC UTE TRIBAL 15-25-14-19

API # 43-047-39052-0000 FLAT ROCK Field 25-14S-19E Uintah County, Utah December 26, 2007

#### **Cement Proposal**

#### Prepared for:

Matt Strever Miller, Dyer & Co.,LLC

#### Prepared by:

**WESLEY D COOK** 

**District Technical Supervisor** 

Vernal, Utah

Bus Phone:

(435)781-2294

Mobile:

(435)828-4121



#### **Service Point:**

Vernal

Bus Phone:

(435) 781-2294

Fax:

(435) 789-4530

#### **Service Representatives:**

Clark Emrich

**Technical Account Manager** 

Denver, Colorado

Bus Phone:

(303) 837-4314

Mobile:

(303) 549-4180

UTE TRIBAL 15-25-14-19 Job Description: 3900' to Surface Squeeze

Date:

December 26, 2007



Proposal No: 179968411G

#### JOB AT A GLANCE

Depth (TVD)

3,900 ft

Depth (MD)

3,900 ft

**Hole Size** 

11.5 in

Casing Size/Weight:

5 1/2 in, 17 lbs/ft

**Pump Via** 

Casing 2 7/8" O.D. (2.441" .I.D) 6.5

**Total Mix Water Required** 

7,193 gals

**Spacer** 

Fresh Water

10 bbls

**Density** 

8.3 ppg

**Lead Slurry** 

Premium Lite II + 3% KCL +

235 sacks

**Density** 

11.0 ppg

Yield

3.33 cf/sack

**Tail Slurry** 

G + 2% Cacl2

446 sacks

**Density** 

15.6 ppg

Yield

1.20 cf/sack

**Displacement** 

Fresh Water

22 bbls

**Density** 

8.3 ppg

UTE TRIBAL 15-25-14-19 Job Description: 3900' to Surface Squeeze

Date:

December 26, 2007



#### **WELL DATA**

#### **ANNULAR GEOMETRY**

ANNULAR I.D.	DEPTH(ft)		
(in)	MEASURED	TRUE VERTICAL	
8.921 CASING	3,170	3,170	
11.500 HOLE	3,900	3,900	

#### **SUSPENDED PIPES**

DIAMETI	ER (in)	WEIGHT	DEPTH(ft)		
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL	
5.500	4.892	17	3,900	3,900	

Float Collar set @ 3,850 ft **Mud Density** 8.34 ppg 127 ° F Est. Static Temp. 100 ° F Est. Circ. Temp.

#### **VOLUME CALCULATIONS**

2,900 ft	х	0.2691 cf/ft	with	0 % excess	=	780.3 cf
270 ft	x	0.2691 cf/ft	with	0 % excess	=	72.7 cf
730 ft	X	0.5563 cf/ft	with	12 % excess	=	454.5 cf
50 ft	X	0.1305 cf/ft	with	0 % excess	=	6.5 cf (inside pipe)

1314.0 cf TOTAL SLURRY VOLUME = 234 bbls

UTE TRIBAL 15-25-14-19 Job Description: 3900' to Surface Squeeze

December 26, 2007

Date:



Proposal No: 179968411G

#### **FLUID SPECIFICATIONS**

10.0 bbls Fresh Water @ 8.34 ppg

•		, , , , , , , , , , , , , , , , , , ,
FLUID	VOLUME CU-FT	VOLUME FACTOR AMOUNT AND TYPE OF CEMENT
Lead Slurry	780	<ul> <li>1 3.3 = 235 sacks Premium Lite II Cement + 10% bwo</li> <li>Bentonite + 3% bwow Potassium Chloride + 1</li> <li>bwoc Sodium Metasilicate + 198% Fresh Water</li> </ul>
Tail Slurry	534	<ul> <li>1 1. = 446 sacks Class G Cement + 2% bwoc Calcium Chloride + 46.5% Fresh Water</li> </ul>
Displacement  CEMENT PROPERTIE	ES	22.3 bbls Fresh Water @ 8.34 ppg
		SLURRY SLURRY
		NO. 1 NO. 2
Slurry Weight (ppg)		11.00 15.60
Slurry Yield (cf/sack)		3.33 1.20
Amount of Mix Water (g	ps)	20.65 5.25

Chemical loadings may change based on cement thickening time tests

UTE TRIBAL 15-25-14-19 Job Description: 3900' to Surface Squeeze

Date:

December 26, 2007



Proposal No: 179968411G

#### **PRICE ESTIMATE**

#### **Product Material**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
446	94lbs	Class G Cement	28.40	12,666.40	25.0	9,499.80
839	lbs	Calcium Chloride	1.30	1,090.70	25.0	818.03
1213	lbs	Potassium Chloride	0.79	958.27	25.0	718.70
2045	lbs	Bentonite	0.42	858.90	25.0	644.18
205	lbs	Sodium Metasilicate	3.32	680.60	25.0	510.45
235	sack	Premium Lite II Cement	24.40	5,734.00	25.0	4,300.50
		Product Materia	l Subtotal:	\$21,988.87		\$16,491.66

#### **Service Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT	
1	ea	Personnel Surcharge - Cement Svc	145.50	145.50	0.0	145.50	
751	cu ft	Bulk Materials Service Charge	3.41	2,560.91	25.0	1,920.68	
1	job	Automatic Density System	1,250.00	1,250.00	25.0	937.50	
		Service Charges	Subtotal:	\$3,956.41		\$3,003.68	

#### **Equipment**

QTY	UNIT	PRODUCT DESCRIPTION	RIPTION UNIT GROSS PRICE AMOUNT		DISC (%)	NET AMOUNT
1	6hrs	Cement Pump Tubing, 3001 - 4000 ft	5,550.00	5,550.00	25.0	4,162.50
1	job	Data Acquisition, Cement, Standard	1,335.00	1,335.00	25.0	1,001.25
400	miles	Mileage, Heavy Vehicle	7.40	2,960.00	25.0	2,220.00
200	miles	Mileage, Auto, Pick-Up or Treating Van	4.20	840.00	25.0	630.00
1	job	Field Storage Bin, Up To 5 Days	1,035.00	1,035.00	25.0	776.25
		Equipment S	ubtotal:	\$11,720.00		\$8,790.00

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

UTE TRIBAL 15-25-14-19

Job Description: 3900' to Surface Squeeze Date:

December 26, 2007



Proposal No: 179968411G

#### **PRICE ESTIMATE**

Freight/Delivery Charges

			TOTAL:	\$45,897.79		\$34,459.72
Freight/Delivery Charges Su		Subtotal:	\$8,232.51		\$6,174.38	
3333	tonmi	Bulk Delivery, Dry Products	2.47	8,232.51	25.0	6,174.38
QTY UNIT		PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT

#### **Notes**

Actual mileage will be charged.

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

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#### CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Report Printed on: DEC-26-07 10:04 Gr4175

Operator:

Miller, Dyer & Co.,LLC Well Name: UTE TRIBAL 15-25-14-19

Date:

December 26, 2007



Proposal No: 179968411G

#### **PRODUCT DESCRIPTIONS**

#### **Bentonite**

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

#### Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

#### **Class G Cement**

Intended for use as a basic cement from surface to 8000 ft as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

#### **Potassium Chloride**

A granular salt used to reduce clay swelling caused by water-base cementing fluids.

#### **Premium Lite II Cement**

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

#### **Sodium Metasilicate**

An accelerator used to decrease the thickening time of cement slurries.

#### Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

ROUTING
1. DJJ
2. CDW

A - Change of Operator (Well Sold)	Operator Name Change/Merger													
The operator of the well(s) listed below has change	re:			6/1/2008	<u> </u>									
FROM: (Old Operator):				TO: ( New Operator):										
N2580-Miller, Dyer & Co, LLC				N2680-Whiting Oil & Gas Company										
475 17th St, Suite 1200				1700 B	roadway, S	uite 2300								
Denver, CO 80202				Denver	, CO 80290	)								
Phone: 1 (303) 292-0949	Phone: 1 (303) 292-0949						Phone: 1 (303) 837-1661							
CA No.				Unit:										
WELL NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL						
					NO		TYPE	STATUS						
SEE ATTACHED LIST			<u> </u>					l						
ODED ATOD CHANCES DOCUMENT	A TET	ONT.												
OPERATOR CHANGES DOCUMENTA	<b>A</b> I I	UN												
Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation wa	e rec	eived f	rom the	FORMER one	rator on:	6/5/2008								
				-		6/5/2008								
, , ,				-			•	7/1//2009						
3. The new company was checked on the <b>Departn</b>		or Con	nmerce		_			7/16/2008						
4a. Is the new operator registered in the State of U				Business Numb	er:	5890476-0143								
4b. If <b>NO</b> , the operator was contacted contacted o	n:													
5a. (R649-9-2)Waste Management Plan has been re-	ceive	d on:		REQUESTED	7/16/2008									
5b. Inspections of LA PA state/fee well sites compl	ete o	n:		done										
5c. Reports current for Production/Disposition & S	undri	ies on:		ok	•									
6. Federal and Indian Lease Wells: The BL	M an	d or th	e BIA l	nas approved the	merger, na	me change,								
or operator change for all wells listed on Federa	ıl or	Indian i	leases o	on:	BLM	not yet	BIA	not yet						
7. Federal and Indian Units:						•		-						
The BLM or BIA has approved the successor	of u	nit oper	rator for	r wells listed on:		n/a								
8. Federal and Indian Communization Ag		_					•							
The BLM or BIA has approved the operator f						n/a								
9. Underground Injection Control ("UIC"				ivision has appro	ved UIC F	orm 5, Transfer	of Auth	ority to						
Inject, for the enhanced/secondary recovery un		ject fo	r the wa	ater disposal wel	l(s) listed o	n:	n/a							
DATA ENTRY:	•	J		•	•			_						
1. Changes entered in the Oil and Gas Database	on:			7/16/2008										
2. Changes have been entered on the <b>Monthly Op</b>		or Cha	inge Sp		•	7/16/2008								
3. Bond information entered in RBDMS on:				7/16/2008			-							
4. Fee/State wells attached to bond in RBDMS on	:			7/16/2008										
5. Injection Projects to new operator in RBDMS of	n:			n/a										
6. Receipt of Acceptance of Drilling Procedures for	or Al	PD/Nev	w on:		7/16/2008	-								
BOND VERIFICATION:														
1. Federal well(s) covered by Bond Number:				UTB000148										
2. Indian well(s) covered by Bond Number:				RLB0011681	•									
3a. (R649-3-1) The <b>NEW</b> operator of any state/fe	e we	ll(s) lis	ted cov	ered by Bond Nu	ımber	RLB0004585	_							
3b. The <b>FORMER</b> operator has requested a release	e of l	iability	from t	heir bond on:	not yet									
LEASE INTEREST OWNER NOTIFIC	AT	ION:												
4. (R649-2-10) The <b>NEW</b> operator of the fee wells	has	been co	ontacted	d and informed b	y a letter fr	om the Division								
of their responsibility to notify all interest owner	rs of	this ch	ange on	1:	n/a									
COMMENTS:														

	DEPARTMENT OF NATURAL RESOUR	RCES	r Ordin Q
ι	DIVISION OF OIL, GAS AND MIN		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
SUNDRY	NOTICES AND REPORTS	ON WELLS	5, IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill no	ew wells, significantly deepen existing wells below curr	rent bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	TO THE TOTAL	orm for such proposals.	8. WELL NAME and NUMBER:
			See Attached List  9. API NUMBER:
2. NAME OF OPERATOR: Whiting Oil And Gas Comp	pany N2680		
3. ADDRESS OF OPERATOR: 1700 Broadway, Ste 2300	Denver STATE CO ZIP	80290 PHONE NUMBER: (303) 837-1661	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN:		STATE: UTAH
11. CHECK APPI	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	☐ TUBING REPAIR ☐ VENT OR FLARE
- AUDOCOUENT DEBODT	CHANGE TUBING	PLUG AND ABANDON PLUG BACK	WATER DISPOSAL
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show all p	pertinent details including dates, depths, volur	nes, etc.
	e change the Operator of record f		
Whiting Oil and Gas Corp See attached well list.	oration Litch State bond is #RI-B	<del>6011670</del> .or Útah BLM Bond #U <sup>*</sup> 30004585 "BIA RLB 001	ГВ-000148.
Whiting Oil and Gas Corp	poration	BIA PIRDA	11.91
1700 Broadway, Suite 23	00	DIA KLOUT	1601
Denver, CO 80290			
(303) 837-1661			RECEIVED
Miller, Dyer & Co., LLC	00 N 2580		11111 A 5
475 17th Street, Suite 12 Denver, CO 80202	00 14 012 02		JUN 0 5 2008
Miller, Dyer & Co., LLC			DIV. OF OIL, GAS & MINING
	FFREY H. LANG	TITLE UP C	PERATION S
NAME (PLEASE PRINT)	7		
SIGNATURE		DATE	<u> </u>
Whiting Oil and Gas Cor	poration		
NAME (PLEASE PRINT) RIC	k Ross	TITLE UP OF	Smflous
SIGNATURE bekn		DATE 6/3/08	3
	APPROVED 7/1/2	12008	
(This space for State use only)	En la Daniel		

Couloul Kussell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

well name	sec	twp	rng	api	entity	lease	well	stat 2	flag
UTE TRIBAL 32-5A	32	140S	200E	4304710577	12655		GW	S	
UTE TRIBAL 30-3A	30	140S	200E	4304710913	12395	Federal	OW	P	
UTE TRIBAL 30-5A	30	140S	200E	4304720502	12654	Federal	GW	S	
UTE TRIBAL 30-2A	30	140S	200E	4304730641	8112	Federal	GW	P	
UTE TRIBAL 29-1A	29	140S	200E	4304730981	8118	Federal	GW	P	
UTE TRIBAL 32-1A	32	140S	200E	4304732758	12064	State	OW	P	
UTE TRIBAL 29-2A	29	140S	200E	4304732945	8118	Federal	OW	P	
UTE TRIBAL 32-2A	32	140S	200E	4304733333	12658	State	GW	P	
UTE TRIBAL 32-3A	32	140S	200E	4304733334	12657	State	GW	S	
UTE TRIBAL 32-4A	32	140S	200E	4304733335	12656	State	GW	P	
UTE TRIBAL 32-6A	32	140S	200E	4304733337	12662	State	GW	P	
CHIMNEY ROCK 32-11	32	130S	210E	4304733445	12984	State	GW	S	
CHIMNEY ROCK 32-13	32	130S	210E	4304733447	12985	State	GW	P	
CHIMNEY ROCK 32-14	32	130S	210E	4304733448	12983	State	GW	P	
UTE TRIBAL 32-8A	32	140S	200E	4304733557	13066	State	GW	P	
UTE TRIBAL 32-12A	32	140S	200E	4304733558	13064	State	GW	P	
UTE TRIBAL 28-1A	28	140S	200E	4304733595	13059	Federal	GW	S	
UTE TRIBAL 30-6A	30	140S	200E	4304733596	13062	Federal	GW	P	
UTE TRIBAL 29-4A	29	140S	200E	4304733616	13060	Federal	GW	1	
UTE TRIBAL 29-5A	29	140S	200E	4304733617	13061	Federal	GW	P	
UTE TRIBAL 32-7A	32	140S	200E	4304733618	13065	State		S	
UTE TRIBAL 32-9A	32	140S	200E	4304733619	13067	State	GW	P	
UTE TRIBAL 32-10A	32	140S	200E	4304733620	13054	State	GW	P	
UTE TRIBAL 32-11A	32	140S	200E	4304733621	13058	State	GW	S	
UTE TRIBAL 32-16A	32	140S	200E	4304734098	13449	State	GW	P	
UTE TRIBAL 29-6A	29	140S	200E	4304734102	13443	Federal	GW	P	
UTE TRIBAL 29-7A	29	140S	200E	4304734103	13444	Federal	GW	P	
UTE TRIBAL 10-2-15-20	02	150S	200E	4304735625	14167	State	GW	P	
FLAT ROCK 13-29-14-20	29	140S	200E	4304736778	15065	Federal	GW	P	
FLAT ROCK 3-29-14-20	29	140S	200E	4304736795	15099	Federal	GW	P	
UTE TRIBAL 6-16-14-20	16	140S		4304738506	16320		GW		
UTE TRIBAL 15-25-14-19	30	140S	200E	4304739052	16169	Indian	GW	P	C
UTE TRIBAL 1-25-14-19	30	140S	200E	4304739053		Indian	GW	APD	
UTE TRIBAL 1-30-14-20	30	140S	200E	4304739665		Federal	GW	APD	
UTE TRIBAL 9-30-14-20	30	140S	200E	4304739666		Federal	GW	APD	
UTE TRIBAL 7-30-14-20	30	140S	200E	4304739667		Federal	GW	APD	
UTE TRIBAL 7-29-14-20	29	140S	200E	4304739668		Federal	GW	APD	
UTE TRIBAL 9-29-14-20	29	140S	200E	4304739669		Federal	GW	APD	
UTE TRIBAL 12-28-14-20	28	140S	200E	4304739736		Federal	GW	APD	
UTE TRIBAL 1-29-14-20	29	140S	200E	4304739737		Federal	GW	APD	
UTE TRIBAL 15-29-14-20	29	140S	200E	4304739738		Federal	GW	APD	
UTE TRIBAL 3-30-14-20	30	140S	200E	4304739739		Federal	GW	APD	
UTE TRIBAL 11-30-14-20	30	140S	200E	4304739740		Federal	GW	APD	
UTE TRIBAL 3-32-14-20	32	140S	200E	4304739741		State	GW	APD	
UTE TRIBAL 15-30-14-20	30	140S	200E	4304739942		Federal	GW	APD	

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING 20G0005581 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS Ute Indian Tribe 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8. WELL NAME and NUMBER: 1. TYPE OF WELL GAS WELL 🗸 OTHER OIL WELL Ute Tribal 15-25-14-19 9. API NUMBER: 2. NAME OF OPERATOR: 4304739052 Whiting Oil and Gas Corporation 10. FIELD AND POOL, OR WILDCAT: PHONE NUMBER: 3. ADDRESS OF OPERATOR: STATE CO ZIP 80290 Flat Rock/Entrada (303) 837-1661 1700 Broadway, Suite 2300 CITY Denver 4. LOCATION OF WELL COUNTY: Unitah FOOTAGES AT SURFACE: 1710 FSL 407 FWL STATE: 14S 20E QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 30 **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION ACIDIZE DEEPEN NOTICE OF INTENT SIDETRACK TO REPAIR WELL FRACTURE TREAT (Submit in Duplicate) ALTER CASING NEW CONSTRUCTION TEMPORARILY ABANDON Approximate date work will start: CASING REPAIR TUBING REPAIR CHANGE TO PREVIOUS PLANS OPERATOR CHANGE VENT OR FLARE PLUG AND ABANDON CHANGE TUBING WATER DISPOSAL SUBSEQUENT REPORT PLUG BACK CHANGE WELL NAME (Submit Original Form Only) WATER SHUT-OFF PRODUCTION (START/RESUME) CHANGE WELL STATUS Date of work completion: OTHER: Workover-Remedial RECLAMATION OF WELL SITE COMMINGLE PRODUCING FORMATIONS 5/16/2008 Cement Squeeze RECOMPLETE - DIFFERENT FORMATION CONVERT WELL TYPE

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Remedial Cement Squeeze job performed in May, 2008. See attached daily report and well bore schematic.

·		
NAME (PLEASE PRINT) Paulogn Tobin	TITLE Engineer Tech	
SIGNATURE Value	DATE 7/30/09	

(This space for State use only)

AUG 0 3 2009



# Multi-Day Job Summary - Drlg Depths Well Name: UTE TRIBAL 15-25-14-19

Remedial Cementing Job Started on 5/6/2008

	1.01.11	Field Name	County	State	Operator		Gr Elev (ft)	Orig KB Elv
WPC ID	API Number		Uintah	UT	WOGC		7.209.00	7.229.00
1UT026829	4304739052	Flat Rock				Coat Tupo	Start Date	End Date
Job Type	Working In AFE Numb	er Total AFE Amount	1010111 =	100	Var (Fld Est)	Cost Type		5/17/2008
Remedial Cementing	na   75.00		1	25,125.00		Expense	5/6/2008	5/17/2006

D-11 C		Donorto /com	to 6am)				
Job Day		Reports (6am	Cum To Date	Start Date	End Date	Depth End (ftKB)	Summary
1.0	1.0	6,755.00	6,755.00	5/6/2008	5/7/2008		TP=800#, CP=900#. MIRU.
2.0	2.0	7,800.00	14,555.00	5/7/2008	5/8/2008		SITP=800#, SICP=900#. Pump 160 bbls KCl wtr dn tbg/csg. Remove WH, NU BOP. RIH w/2 7/8 tbg. Tag
							up @ 11926' - 9 fill. POOH. Well gassy. Pump 60 bbls dn tbg. Stand back 178 jts 2 7/8" tbg (11605.68'). PU
							RBP & setting tool, RIH w/45 jts. Close pipe rams. Secure well. SDFN.
				1.			
3.0	3.0	23,520.00	38,075.00	5/8/2008	5/9/2008		SITP=1250#, SICP=1300#. Pump 100 bbls KCI wtr dn csg/20 bbls dn tbg. RIH w/ 35 jts tbg. RBP set @ 5218'. PT BP to 1000 - ok. Spot 4sx - 25' sand a top BP. POOH w/tbg. RU WL. Run GR & junk basket to 4000'. POOH w/GR, RIH w/perf gun, perf 4 shots, 90 deg phasing @ 3920'. POOH. Pump 20 bbls dn csg, up annulus @ rates 1 to 1-1/2 bpm. Press up. Pump 5 add'l bbls @ 1/2 bpm, pressure climbed to 2000# & con't to climb. SD, press bled to 1000# in 5 mins. MU CLB/CCL - RIH & re-log fr/2950' to 4000'. No apparent restrictions behind csg on bttm. Orig & new logs indicate restriction btwn 5-1/2" prod csg and 9-5/8" surf csg @ about 3135'-3155'. POOH. RIH, reperf 4 shots 90 deg phasing @ 3919'. POOH. Close blind rams, pump 1 to 1-1/2 bpm dn csg, press up to 2200#, con't pumpg, press decreased to 1950#. Pump'd 30 bbls - held 1-1/2 bpm last 5 bbls. RIH. set CICR @ 3820'. POOH. RD, secure well. SDFN.
4.0	4.0	45,115.00	83,190.00	5/9/2008	5/10/2008		MU stinger. RIH w/ 58 jts, sting into retainer. PT annulus to 1000# - ok. RU BJ Cmters, press up annulus to 1000# & hold whild cmtg. Pump 55 bbls
					45 A		produced wtr to estab rate thru squeeze perfs, got 2.75 bpm @ 2600#. Pump 10 bbl FW spacer, pump 235sx
							PL cmt - 139 bbls @ 11ppg 3.33 yld & tailed in w/446sx Cl G neat @ 15.8 ppg, 1.20 yld. Displace tbg w/20bbls wtr (2 bbls under cap). Sting out of retainer,
							reverse hole clean. Max rate while pump'g = 3.4 bpm,
							max psi = 3000#. No returns. POOH w/ tbg. Close rams, press up to 650#. Secure well, SD 'til Tues
	.				4 .		05/13/08.
			00 100 00	E/10/2008	5/13/2008		Crews off.
5.0 <b>8.0</b>	1 1	20,640.00		5/10/2008 5/13/2008	5/13/2008		RU WL. Run GR/Junk basket & CBL/CCL. Tag up @
0.0							3811'. No cmt behind 5 1/2" csg above CICR. Cmt fr/sqz job either went down or out into formation.
					·		Discuss w/ Ryan Angus, BLM who discussed with BLM
							geologists and engineers. Decided not necessary to take cmt above 9 5/8" shoe at this time. When well is
							P&A'd it will be necessary to cmt 75' above and below
					-		the shoe inside and outside the 5 1/2" csg. Note on the
			-				sundry for this job the sqz attempt was unsuccessful. Send copy of ops rpt and note that Ryan Angus gave
					-	1.	approval for Miller Dyer not to make add'l sqz attempts
					The state of the s		to annulus now. Ok to DO CICR, CO thru sqz holes, PT sqz holes to 1000#, return well to production. Ed
							Martin - Per Telephone Conversation w/ Ryan Angus
						2000	05/13/08. TIH w/tricone bit, 5 1/2" scraper, x-over. Tag
				1.			up @ 3802'. DO CICR & cmt to 3832'. Circ hole clean. install tbg. Secure well. SDFN.
			<u> </u>			· i	
			•				Report Printed: 7/30/2



# Multi-Day Job Summary - Drlg Depths Well Name: UTE TRIBAL 15-25-14-19

Remedial Cementing Job Started on 5/6/2008

WPC ID	API Number	Field Name	County	State	Operator	Gr Elev (ft)	Orig KB Elv
1UT026829	4304739052	Flat Rock	Uintah	UT	WOGC	7,209.00	7,229.00
10102020		L					

Daily Operation Reports (6am to 6am)							
Job Da	y Rpt No.	Day Total	Cum To Date	Start Date	End Date	Depth End (ftKB)	Summary
9.	7.0	8,895.00	112,725.00	5/14/2008	5/15/2008		Drill cmt to perfs @ 3820'. RIH w/2jts past perfs & circ hole clean. PTsqz pers to 1000# - ok. RIH to 5190', tag sand. Circ sand down to RBP, POOH, RIH w/ BP retrieving tool. Latch onto & rel RBP. POOH. Close BOP. Secure well. SDFN.
10.			118,425.00 125,125.00		5/16/2008		SICP=950#. Pump 80 bbls prod wir dn csg, kill well. Replace 2 3/8" notched collar * swedge w/ 2 7/8" notched collar. RIH w/ 2 7/8" tbg as follows: notched collar (.33'), XN nipple (1.10'), 1jt 2 7/8" 6.5# N-80 tbg (32.31'), X nipple (1.10') and 327 jts 2 7/8" 6.5# N-80 tbg. Well came around twice while running tbg. Pump'd another 120 bbls prod wir dn tbg/csg to keep well dead.  SITP=375#, SICP=550#. Rpr rig tongs. Pump 70 bbls prod wir dn csg, 30 bbls dn tbg, well dead. Total load to recover = 736 bbls. Pull 5 jts tbg, ck connections. RiH w/15jts. In hole: 355jts 2 7/8" 6.5# N-80 tbg (11583.37'), x-nipple - 2.31" ID (1.10'), 1jt 2 7/8" 6.5# N-80 tbg (32.31') XN nipple - 2.205" ID (1.10') 2 7/8" notched collar (.33') MU tbg hanger and land tbg. X nipple @ 11601, XN nipple @ 11635', EOT @ 11636' KB. ND BOP, RD. MU WH, MU flow back line to pit w/ck. RU to swab. Turn well back to production @ noon.

# WHITING

#### Whiting Oil & Gas Corp 1700 Broadway, Suite 2300 Denver, CO 80290 (303) 837-1661

#### **Completion Report Info**

Well Name: UTE TRIBAL 15-25-14-19

(303) 837-1661 ... | E/W Dist (ft) | E/W ... | Qtr/Qtr | L | 407.0 | FWL | NESW API Number N/S Dist (ft) N/S WPC ID Section Town Range 4304739052 1,710.0 FSL 30 148 20F Flat Rock WOGC Uintah UT Original Spud Date Completion Date First Production Date onsible Engineer Responsible Foreman Resp Orig KB Elv (ft) KB-Grd (ft) Drilling Contact Geology Contact 7.209.00 20.00 Dana Tom Smith Danny Widner John Forster 5/10/2007 10/2/2007 10/13/2007 7.229.00 Rigs TD Date Comment Rig No. Rig Type 12,260.00 07/05/07 Patterson 4/27/2007 7/8/2007 Well Config: Deviated/Directional Original Hole, 7/30/2009 9:20:40 AM Act Top (ftKB) ftKB (MD) (ftKB) Wellbore Name Size (in) Start Date 80.0 5/6/2007 Conductor Original Hole 20.0 5/7/2007 3 175 0 5/10/2007 5/19/2007 20 Surface Original Hole 12 1/4 80.0 Original Hole 8 3/4 3,175.0 12,260.0 5/24/2007 7/5/2007 Production 80 1-1, Casing Joints, 20, 19.124, 20, 60.0 Conductor Pipe, 80.0ftKB 3-1, Casing Joints, 5 1/2, 4,892, 20, 2,489.9 Run Date 5/6/2007 3-2, XO Joint, 5 1/2, 4.892, 2,510, 39.3 (lbs/ft) 2,549 Grade Top (ftKB) Btm (ftKB) Len (ft) Item Description OD (in) 20 94.00 J-55 20.0 80.0 60.00 Casing Joints 3,100 Surface Csg, 3,170.0ftKB 2-1, Casing Joints, 9 5/8, 8.921, 20, 3,126 5/20/2007 2-2. Float Collar, 9 5/8, 3,126, 0.5 3.127 Wt (lbs/ft) OD (in) Top (ftKB) Item Description Grade Btm (ftKB) Len (ft) 2-3, Casing Joints, 9 5/8, 8.921, 3,127, 3 169 3,126.0 3,105.98 Casing Joints 36.00 J-55 9 5/8 20.0 9.5/8 3.126.5 3.126.0 0.50 Float Collar 3.170 2-4, Guide Shoe, 9 5/8, 3,169, 1.5 9 5/8 36.00 J-55 3.126.5 3.168.5 42.00 Casing Joints 3.175 9 5/8 3.168.5 3,170.0 1.50 Guide Shoe Production Csg, 12,253.0ftKB 3.919 Run Date \*\*\*\*\*\*\*\*\*\* Perforated, 3,919-3,920, 5/8/2008 7/5/2007 3,920 Perforated, 3,920-3,921, 5/8/2008 Top (ftKB) Btm (ftKB) Item Description Grade OD (in) Len (ft) 3,921 17.00 P-110 2,509.9 2,489.90 Casing Joints 5 1/2 20.0 5 1/2 17.00 N-80 2.509.9 2.549.2 39.33 XO Joint 3,952 5 1/2 17.00 N-80 2,549.2 9,929.0 7,379.82 Casing Joints 4,197 17.00 P-110 9,929.0 10,270.2 341.11 Casing Joints 5 1/2 2-1, Tubing, 2 7/8, 2,441, 20, 11,581.2 2.12 Stage Tool 5 1/2 10.270.2 10.272.3 6,255 17.00 P-110 5 1/2 10.272.3 11,424.6 1,152.30 Casing Joints 3-3, Casing Joints, 5 1/2, 4.892, 2,549, 7,379.8 9,929 5 1/2 P-110 11.424.6 11.442.5 17.96 Marker Casing Joint 5 1/2 20.00 P-110 11,442.5 12,211.9 769.33 Casing Joints 3-4, Casing Joints, 5 1/2, 4.892, 9,929, 10,270 5 1/2 12.211.9 12,213,1 1.25 Float Collar 5 1/2 17.00 N-80 12,213.1 12.251.7 38.54 Casing Joints 10,272 3-5, Stage Tool, 5 1/2, 10,270, 2.1 5 1/2 12.251.7 12.253.0 1.35 Guide Shoe 10,609 Cement Stages MD Tagge. Pump Start Date Top (ftKB) Btm (ftKB) Top Meas Meth 10,985 Surface Casing Cement 5/20/2007 20.0 3,170.0 3-6, Casing Joints, 5 1/2, 4.892, 10,272, 1,152.3 luid Type Est Top (ftKB) Est Btm (ftKB) V (bbl) Amount (sa 11,425 Original Hole Lead 520 Prem Lite 1,500.0 3.170.0 313.0 3-7, Marker Casing Joint, 5 1/2, 11,425, Cement 11,443 Wellbore Fluid Type Est Top (ftKB) Est Btm (ftKB) V (bbl) Amount (sa... Class 11,601 G 20.0 Ø Original Hole 284 1,500.0 2-2, X Nipple, 2 7/8, 11,601, 1.1 Cement 11.602 nn Start Date Top (ftKB) Btm (ftKB) MD Tagge. Top Meas Meth 2-3, Tubing, 27/8, 2.441, 11,602, 32.3 Conductor Cement 5/6/2007 20.0 80.0 11,635 2-4, XN Nipple W/no-go, 2 7/8, 11,635, Class Est Top (ftKB) Est Btm (ftKB) V (bbl) Fluid Type Amount (sa., Original Hole 20.0 11,636 2-5, Notched Collar, 2 7/8, 11,636, 0.3 rumn Start Dat on (ftKB) (ftKB) MD Tagge Top Meas Meth 11,636 Unsuccessful Cmt Saz 5/9/2008 3 9 1 9 0 3 921.0 3 811 0 Est Top (ftKB) Est Btm (ftKB) V (bbl) Fluid Type Amount (sa Class 11,644 Original Hole Squeeze 235 Prem Lite 3.095.0 139.0 Perforatio 11,650 Fluid Type Est Top (ftKB) Est Btm (ftKB) V (bbl) Amount (sa Perforated, 11,650-11,656, 9/22/2007 G Original Hole Squeeze 446 3,921.0 95.3 11,656 Perforatio. Btm (ftKB) Top Meas Meth 11,665 Description Pump Start Date Top (ftKB) MD Tagge. Perforated, 11,665-11,679, 9/22/2007 **Production Casing** 7/8/2007 3.952.0 12,260.0 11,679 Cement Fluid Type Est Top (ftKB) Est Btm (ftKB) V (bbl) ount (sa 11,727 Original Hole Lead 312 Prem Lite 6,000.0 12,260.0 Perforated, 11,727-11,746, 8/20/2007 Cement 11,746 Wellhore Fluid Type Est Top (ftKB) Est Btm (ftKB) V (bbl) Amount (sa 11,768 Original Hole 63 Prem Lite Tail 3,952.0 6.000.0 Perforated, 11,768-11,789, 8/20/2007 Cement 11,789 Pump Start Date Top (ftKB) Btm (ftKB) Top Meas Meth MD Tagge Description 12,176.0 12,253.0 **PBTD** 7/8/2007 12,211.0 11,811 Fluid Type Wellbor Est Top (ftKB) Est Btm (ftKB) V (bbl) Amount (sa. Class Perforated, 11.811-11.822, 8/20/2007 Original Hole Plug Back 12.176.0 12.253.0 11,822 Cement 11,935 rump Start Date Top (ftKB) Btm (ftKB) Description Top Meas Meth MD Tagge. 7/8/2007 12,253.0 12,260.0 Cement below shoe 11,936 Amount (sa. Fluid Type Class Est Top (ftKB) Est 8tm (ftKB) V (bbl) Wellbore Plug Back Original Hole 12,253.0 12.260.0 12,170 Cement 12,176 **Perforations** 3-8, Casing Joints, 5 1/2, 4,778, 11,443, 12.212 Type of Hole Top (ftKB) Zone 12.213 3-9, Float Collar, 5 1/2, 12,212, 1.3 Perforat... 5/8/2008 3,919.0 3,920.0 Wasatch, Original Hole 4.0 Perforat... 5/8/2008 3,920.0 3,921.0 Wasatch, Original Hole 4.0 4 3-10, Casing Joints, 5 1/2, 4,892, 12,213 38.5 12 252 11,656.0 Entrada, Original Hole Perforat... 9/22/2007 11,650.0 4.0 24 Perforat... 9/22/2007 11,665.0 11,679.0 Entrada, Original Hole 4.0 12.253 3-11, Guide Shoe, 5 1/2, 12,252, 1.3 12.260 Page 1/2 Report Printed: 7/30/2009

# WHITING

Whiting Oil & Gas Corp 1700 Broadway, Suite 2300 Denver, CO 80290 (303) 837-1661

#### **Completion Report Info**

Well Name: UTE TRIBAL 15-25-14-19

(303) 837-1661 N/S Dist (ft) E/W Dist (ft) E/W ... |Qtr/Qtr UT WOGC 1UT026829 4304739052 1,710.0 FSL 407.0 FWL NESW 30 145 20F Flat Bock Uintah Orig KB Elv (ft) KB-Grd (ft) Drilling Contact on Date Responsible Engineer Responsible Forer Geology Contact Gr Fley (ft) 5/10/2007 10/2/2007 10/13/2007 7,209.00 7,229.00 20.00 Dana Tom Smith Danny Widner John Forster Original Hole, 7/30/2009 9:20:40 AM Perforations ftKB (MD) Shot Shot Dens (sho... Btm (ftKB) Top (ftKB) Type of Hole erforat... 8/20/2007 11,727.0 11,746.0 Entrada, Original Hole 4.0 76 80 1-1, Casing Joints, 20, 19.124, 20, 60.0 Perforat... 8/20/2007 11,768.0 11,789.0 Entrada, Original Hole 4.0 84 4.0 44 Perforat... 8/20/2007 11,811.0 11,822.0 Entrada, Original Hole 3-1, Casing Joints, 5 1/2, 4.892, 20, 2,489.9 2.510 Stim/Treat Stages 2.549 3-2, XO Joint, 5 1/2, 4.892, 2,510, 39.3 Top (ftKB) Btm (ftKB) Stim/Treat Fluid Stage Type Start Date Frac 9/22/2007 11,650.0 11,679.0 2500# Mesh, 45500# 3,100 20/40, 80 tns. CO2 2-1, Casing Joints, 9 5/8, 8.921, 20, 3,126 11,822.0 4000# Mesh, 103000# Frac 9/22/2007 11,727.0 20/40, 136 tns, CO2 2-2. Float Collar, 9 5/8, 3,126, 0,5 3.127 Acidizat... 8/28/2007 11,727.0 11,822.0 7.5% HCl, Acid 137.00 2-3, Casing Joints, 9 5/8, 8.921, 3,127, 3,169 **Tubing Strings** Tubing - Workstring set at 11,640.5ftKB on 10/1/2007 06:00
Set Depth (ftKB) | Comment | Run Date 2-4. Guide Shoe. 9 5/8, 3,169, 1,5 3.170 11,640.5 10/1/2007 5/8/2008 3,175 OD (in) Len (ft) Top (ftKB) Btm (ftKB) 2 7/8 355 11,583.66 20.0 11,603.7 Tubing 3,919 XXXXXXXX \*\*\*\*\*\*\*\*\*\*\*\* X Nipple 2 7/8 1.31 11,603,7 11.605.0 Perforated, 3,919-3,920, 5/8/2008 11.637.9 11.605.0 3,920 Tubing 2 7/8 1 32.97 Perforated, 3,920-3,921, 5/8/2008 11,639.3 XN Nipple W/no-go 27/8 1.31 11,637.9 3,921 2 7/8" pin X 2 3/8" box 2 7/8 0.50 11,639.3 11,639.8 Bit Sub w/Float 2 7/8 0.71 11,639.8 11,640.5 3,952 Tubing - Production set at 11,636.0ftKB on 5/16/2008 06:00
Set Depth (ftKB) | Comment | Run Date 4,197 Pull Date 11,636.0 5/16/2008 2-1, Tubing, 2 7/8, 2.441, 20, 11,581.2 6,255 Top (ftKB) Btm (ftKB) OD (in) en (ft) 2 7/8 355 3-3, Casing Joints, 5 1/2, 4.892, 2,549, Tubing 11,581.17 20.0 11,601.2 9,929 27/8 11,601.2 X Nipple 1.10 11,602.3 3-4, Casing Joints, 5 1/2, 4.892, 9,929, 341.1 10,270 Tubing 2 7/8 32.31 11,602.3 11,634.6 XN Nipple W/no-go 2 7/8 1.10 11,634.6 11,635.7 10,272 3-5, Stage Tool, 5 1/2, 10,270, 2.1 11,636.0 Notched Collar 2 7/8 0.33 11.635.7 10,609 Rods 10,985 Run Date Pull Date Rod Description Comment 3-6, Casing Joints, 5 1/2, 4.892, 10,272, 1,152.3 11,425 Len (ft) Top (ftKB) Btm (ftKB) 3-7, Marker Casing Joint, 5 1/2, 11,425, 18.0 11,443 String Description 11,601 2-2, X Nipple, 2 7/8, 11,601, 1.1 Other String Components 11,602 Top (ftKB) Btm (ftKB) OD (in) 2-3, Tubing, 27/8, 2.441, 11,602, 32.3 11,635 2-4, XN Nipple W/no-go, 2 7/8, 11,635, Other In Hole OD (in) Bun Date Pull Date on (ftKB) Bottom (ftKB) 11,636 2-5, Notched Collar, 2 7/8, 11,636, 0.3 Cement Retainer 5/13/2008 3.999 5/8/2008 3,820.0 3.821.0 11,636 11,644 Description OD (in) Run Date Pull Date Top (ftKB) Bottom (ftKB) Comp FTP 3.999 9/27/2007 9/28/2007 11,620.0 11,621.0 11,650 Perforated, 11,650-11,656, 9/22/2007 11,656 OD (in) Pull Date Description Run Date Top (ftKB) Bottom (ftKB) Comp FTP 3.999 9/22/2007 9/28/2007 11,700.0 11,701.0 11,665 Perforated, 11,665-11,679, 9/22/2007 11,679 Description OD (in) Run Date Pull Date Top (ftKB) Bottom (ftKB) CFP @ 11700 pushed down 9/28/2007 3.999 11.935.0 11.936.0 11,727 Perforated, 11,727-11,746, 8/20/2007 11,746 Cores 11,768 Perforated, 11,768-11,789, 8/20/2007 11,789 Top (ftKB) Btm (ftKB) Comment 11,811 Perforated, 11,811-11,822, 8/20/2007 11,822 11.935 11,936 12,170 12,176 3-8, Casing Joints, 5 1/2, 4.778, 11,443, 12,212 3-9, Float Collar, 5 1/2, 12,212, 1,3 12.213 3-10, Casing Joints, 5 1/2, 4.892, 12,213, 12,252 12.253 3-11, Guide Shoe, 5 1/2, 12,252, 1.3 12,260 Page 2/2 Report Printed: 7/30/2009

Form 3160-5 (March 2012)

(Instructions on page 2)

# UNITED STATES RECEIVED DEPARTMENT OF THE INTERIOR THE INTERIOR

BUREAU OF LAND MANAGEMENT JUL 2 1 2015

FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2014

5. Lease Serial No. See attached exhibit

6. If Indian, Allottee or Tribe Name

# SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to arill of the re-inter an abandoned well. Use Form 3160-3 (ARD) to such proposals

	<del>`</del> _				<del></del>				
Submit	IN TRIPLICATE - Other	instructions on	page 2.		7. If Unit of CA/Agreem	ent, Name and/or No.			
1. Type of Well					See attached exhibit				
Oil Well Gas W	ell		8. Well Name and No. See attached exhibit						
2. Name of Operator COBRA OIL & GAS CORPORATION	1		9. API Well No. See attached exhibit						
3a. Address		3b. Phone No.	include area cod	le)	10. Field and Pool or Exp	ploratory Area			
PO BOX 8206, WICHITA FALLS, TX 76307-820		(940) 716-510	0		See attached exhibit				
4. Location of Well (Footage, Sec., T., I See attached exhibit	R.,M., or Survey Description,	)			11. County or Parish, Sta See attached exhibit	ite			
12. CHEC	K THE APPROPRIATE BO	X(ES) TO INDI	CATE NATURE	OF NOTIC	CE, REPORT OR OTHER	DATA			
TYPE OF SUBMISSION			TYF	E OF ACT	ION				
Notice of Intent	Acidize	Deepe	ก	Prod	uction (Start/Resume)	Water Shut-Off			
Notice of Mean	Alter Casing	Fractu	re Treat	Recla	amation	Well Integrity			
Subsequent Report	Casing Repair	☐ New (	Construction	Reco	mplete	Other CHANGE OF			
	Change Plans	Plug a	nd Abandon	Temp	porarily Abandon	OPERATOR			
Final Abandonment Notice	Convert to Injection	Plug I	Back	☐ Wate	er Disposal				
Attach the Bond under which the w following completion of the involve testing has been completed. Final adetermined that the site is ready for Effective August 1, 2015, Whiting Oi been designated as successor Oper Cobra Oil & Gas Corporation PO Box 8206 Witchita Falls, TX 76307-8206 Phone: (940) 718-5100  Bonds through U.S. Specialty Insura BLM Nationwide Bond: B009425 Utah State Bond: B009455	ed operations. If the operation Abandonment Notices must in final inspection.)  I & Gas Corporation resignator.  Whiting Oil & Gas 1700 Broadway, 5 Denver, CO 8025 Phone: (303) 837	on results in a m be filed only after ned as Operate s Corporation Suite 2300	ultiple completion r all requirements or of the wells lis	n or recomp s, including sted on the	pletion in a new interval, a reclamation, have been or attached Exhibit, and (	Form 3160-4 must be filed once ompleted and the operator has			
14. I hereby certify that the foregoing is tr	ue and correct. Name (Printe	d/Typed)		·					
Robert W. Osborne			Title Vice Pres	sident					
Signature Libert N	1) I to 101								
	THIS SPACE	FOR FEDE	RAL OR ST	ATE OF	FICE USE				
Approved by  Conditions of approval if any, are attached that the applicant holds legal or equitable tientitle the applicant to conduct operations	tle to those rights in the subje	s not warrant or c	Title Lan	ds & Mi	Field Manager neral Resources <sub>Da</sub> RNAL FIELD OF	- JUL 0 0 2013			
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it	a crime for any pe	rson knowingly an	d willfully t	to make to any department of	or agency of the United States any fals			
fictitious or fraudulent statements or repre	sentations as to any matter wi	thin its jurisdiction	L	•					

### Well Exhibit for BLM-Vernal (I)

LEASE/UNIT	Lease #	Case #	API#	FIELD	COUNTY	STATE	RESERVOIR	LOCATION: SEC - TWP - RNG
UTE TRIBAL 1-25-14-19	1420H625581	1420H625581	4304750654	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 13-25-14-19	1420H625581	1420H625581	4304750689	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 15-25-14-19	1420H625581	1420H625581	4304739052	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 3-25-14-19	1420H625581	1420H625581	4304751030	FLAT ROCK	UINTAH	UT .	ENTRADA	30-T14S-R20E
UTE TRIBAL 5-25-14-19	1420H625581	1420H625581	4304750690	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 8-25-14-19	1420H625581	1420H625581	4304739053	FLAT ROCK	UINTAH	UT	N/A	30-T14S-R20E

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

8/1/2015

FORMER OPERATOR:	NEW OPERATOR:	
WHITING OIL & GAS CORPORATION N2680	COBRA OIL & GAS CORPORATION N4270	
1700 BROADWAY SUITE 2300	PO BOX 8206	
DENVER CO 80290	WICHITA FALS TX 76307-8206	
CA Number(s):	Unit Name: None	

#### **WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See Attached List									

#### **OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:

8/4/2015

2. Sundry or legal documentation was received from the **NEW** operator on:

8/4/2015

3. New operator Division of Corporations Business Number:

9442951-0143

#### **REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

10/5/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

10/2/2015

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

Chimney Rock Compressor Flat Rock Compressor

\_ ----**\_**----**\_**----**\_**----**\_**-----**\_**-----

7. Inspections of PA state/fee well sites complete on (only upon operators request):

10/15/2015

#### **NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:

B009425

2. Indian well(s) covered by Bond Number:

B009425

3.State/fee well(s) covered by Bond Number(s):

B009455

B009568-FCB

B009567-FCB

B009566-FCB

#### **DATA ENTRY:**

1. Well(s) update in the **OGIS** on:

10/14/2015

2. Entity Number(s) updated in **OGIS** on:

10/14/2015

3. Unit(s) operator number update in **OGIS** on:

N/A N/A

4. Surface Facilities update in **OGIS** on:

10/14/2015

5. State/Fee well(s) attached to bond(s) in RBDMS on:6. Surface Facilities update in RBDMS on:

10/14/2015

#### LEASE INTEREST OWNER NOTIFICATION:

1. The NEW operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

N/A

#### **COMMENTS:**

From: Whiting Oi Gas Corporation To: Cobra Oil Gas Corporation Effective:8/1/2015

LITECTIVE.OF ITZU IS									
Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Туре	Status
UTE TRIBAL 32-5A	32	140S	200E	4304710577	12655	State	Indian	GW	P
UTE TRIBAL 30-3A	30	140S	200E	4304710913	12395	Federal	Indian	OW	P
UTE TRIBAL 29-1A	29	140S	200E	4304730981	8118	Federal	Indian	GW	P
UTE TRIBAL 32-2A	32	140S	200E	4304733333	12658	State	Indian	GW	P
UTE TRIBAL 32-6A	32	140S	200E	4304733337	12662	State	Indian	GW	P
CHIMNEY ROCK 32-13	32	130S	210E	4304733447	12985	State	State	GW	P
CHIMNEY ROCK 32-14	32	130S	210E	4304733448	12983	State	State	GW	P
UTE TRIBAL 32-8A	32	140S	200E	4304733557	13066	State	Indian	GW	P
UTE TRIBAL 32-12A	32	140S	200E	4304733558	13064	State	Indian	GW	P
UTE TRIBAL 30-6A	30	140S	<del></del>	4304733596	+	Federal	Indian	GW	P
UTE TRIBAL 29-5A	29	140S		4304733617	13061	Federal	Indian	GW	P
UTE TRIBAL 32-7A	32	140S		4304733618	13065	<del></del>	Indian	GW	P
UTE TRIBAL 32-9A	32	140S		4304733619	13067		Indian	GW	P
UTE TRIBAL 32-10A	32	140S		4304733620	13054		Indian	GW	P
UTE TRIBAL 32-16A	32	140S		4304734098	13449		Indian	GW	P
UTE TRIBAL 29-6A	29	140S		4304734102		Federal	Indian	GW	P
UTE TRIBAL 29-7A	29	140S		4304734103		Federal	Indian	GW	P
	2	150S		4304735625			Indian	GW	P
FLAT ROCK 13-29-14-20	1	140S	+	4304736778		Federal	Indian	GW	P
FLAT ROCK 3-29-14-20	29	140S	<del> </del>	4304736795		Federal	Indian	GW	P
UTE TRIBAL 6-16-14-20	16	140S		4304738506	16320		Indian	GW	P
UTE TRIBAL 15-25-14-19	<del></del>	140S	+		16169		Indian	GW	P
UTE TRIBAL 1-30-14-20	30	140S	<del></del>			Federal	Indian	GW	P
UTE TRIBAL 3-30-14-20	30	140S		4304739739		Federal	Indian	GW	P
UTE TRIBAL 11-30-14-20		140S				Federal	Indian	GW	P
UTE TRIBAL 5-32-14-20	32	140S		4304739741	17406		Indian	GW	P
UTE TRIBAL 15-30-14-20		140S		4304739942		Federal	Indian	GW	P
	30	140S		4304750654	17454		Indian	GW	P
UTE TRIBAL 13-25-14-19	17.	140S	+	4304750689	17808		Indian	GW	P
	26	140S		4304750690	17760		Indian	GW	P
UTE TRIBAL 3-25-14-19	30	140S		4304751030	17759		Indian	GW	P
CHIMNEY ROCK 32-11	32	130S		4304733445	12984	State	State	GW	PA
UTE TRIBAL 32-11A	32	140S		4304733621	13058	State	Indian	GW	PA
FLAT ROCK 13-32-14-20		140S		4304736992	17354	·	Indian	D	PA
FLAT ROCK 14-32-14-20		140S		4304736993			Indian	D	PA
FLAT ROCK 14-32-14-20		140S			17356		Indian	D	PA
UTE TRIBAL 8-25-14-19	30	140S		4304739953	17353		Indian	D	PA
UTE TRIBAL 30-5A	30	140S		4304739033		Federal	Indian	GW	S
UTE TRIBAL 30-3A	30	140S		4304720302	8112		Indian	GW	S
UTE TRIBAL 32-1A				4304730641		Federal State		OW	S
	32	140S			12064		Indian		
UTE TRIBAL 29-2A	29	1405		4304732945	8118	Federal	Indian	OW	S
UTE TRIBAL 32-3A	32	140S		4304733334	12657		Indian	GW	S
UTE TRIBAL 32-4A	32	1405		4304733335	12656		Indian	GW	S
UTE TRIBAL 28-1A	28	140S		4304733595		Federal	Indian	GW	S
UTE TRIBAL 29-4A	29	140S	200E	4304733616	13060	Federal	Indian	GW	S

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL, GAS AND MINING  5. LEASE DESIGNATION AND SERIAL NUMBER: See attached exhibit									
	SUNDRY	N WELLS	1 .	DIAN, ALLOTTEE OR TRIBE NAME: attached exhibit						
Do	not use this form for proposals to drill n drill horizontal k		or CA AGREEMENT NAME:							
	drill horizontal k		ALLACTION EXTILOR							
	OIL WELL	GAS WELL OTHER	See	attached exhibit	1 _	attached exhibit				
	IAME OF OPERATOR:			NUMBER:						
	OBRA OIL & GAS CORI	PORATION NUTATO		PHONE NUMBER:	1 000	See attach  10. FIELD AND POOL, OR WILDCAT:				
	) Box 8206	Wichita Falls STATE TX	, 763	07-8206 (940) 716-5100		attached exhibit				
4. L	OCATION OF WELL									
F	COOTAGES AT SURFACE: See at	Itached exhibit			COUNT	y: Uintah				
q	TRACTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN:		,	STATE					
						UTAH				
11.	CHECK APP	ROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPO	RT, O	R OTHER DATA				
	TYPE OF SUBMISSION	<u></u>		TYPE OF ACTION						
	NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION				
	(Submit in Duplicate)	ALTER CASING		FRACTURE TREAT	ᆜ	SIDETRACK TO REPAIR WELL				
	Approximate date work will start:	CASING REPAIR		NEW CONSTRUCTION	닏	TEMPORARILY ABANDON				
		CHANGE TO PREVIOUS PLANS	M	OPERATOR CHANGE	닏	TUBING REPAIR				
		CHANGE TUBING	닏	PLUG AND ABANDON	닏	VENT OR FLARE				
Z	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	닏	PLUG BACK	닏	WATER DISPOSAL				
	Date of work completion:	CHANGE WELL STATUS	닏	PRODUCTION (START/RESUME)	닏	WATER SHUT-OFF				
	8/1/2015	COMMINGLE PRODUCING FORMATIONS	"  -	RECLAMATION OF WELL SITE	Ц	OTHER:				
		CONVERT WELL TYPE	<u> </u>	RECOMPLETE - DIFFERENT FORMATION		<del></del>				
12.	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show at	il pertine	ent details including dates, depths, volum	es, etc.					
		Whiting Oil & Gas Corporation			isted o	n the attached Exhibit, and				
Co	obra Oil & Gas Corporat	tion has been designated as suc	ccess	or Operator.						
Co	bra Oil & Gas Corporat	ion Whiting Oil 8	k Gas	Corporation N2680						
PC	D Box 8206	1700 Bloadw	ray, S	une 2300						
	ichita Falls, TX 76307-8									
רח	ione: (940) 716-5100	Phone: (303)	) 837-	1001						
		11								
		Nich !	Con							
		Rick Ross, S	Senior	Vice President - Operations						
Во	onds through U.S. Speci	ialty Insurance Company								
Ut	ah State Bond: B00945	5								
BL	.M Nationwide Bond: B0	109425								
		•								
	<u></u>									
	D-L4144	Ochomo		Mac President						
NAM	Robert W.	Ospome / O		TITLE Vice President						
SIGN	NATURE KALAT	· WOJ		DATE 7/14/19	<					
GIGI	The state of the s		عمرون		=					
This s	pace for State use only)									

**APPROVED** 

(See Instructions on Reverse Side)

OCT 1 4 2015

### **Well Exhibit for Utah DOGM**

								LOCATION:
LEASE/UNIT	Lease #	Tribe Name	API#	FIELD	COUNTY	STATE	RESERVOIR	SEC - TWP - RNG
CHIMNEY ROCK 32-11	ML-47437		4304733445	SEEP RIDGE B	UINTAH	UT	DAKOTA	32-T13S-R21E
CHIMNEY ROCK 32-13	ML-47437		4304733447	SEEP RIDGE B	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T13S-R21E
CHIMNEY ROCK 32-14	ML-47437		4304733448	SEEP RIDGE B	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T13S-R21E
FLAT ROCK 13-29-14-20	UTU10166		4304736778	FLAT ROCK	UINTAH	UT	ENTRADA	29-T14S-R20E
FLAT ROCK 13-32-14-20	ML-44317		4304736992	FLAT ROCK	UINTAH	UT	WINGT	32-T14S-R20E
FLAT ROCK 14-32-14-20	ML-44317		4304736993	FLAT ROCK	UINTAH	UT	MESA VERDE	32-T14S-R20E
FLAT ROCK 15-32-14-20	ML-44317		4304736994	FLAT ROCK	UINTAH	UT	MESA VERDE	32-T14S-R20E
FLAT ROCK 30-3A	UTU019837		4304730729	-FLAT ROCK	UINTAH	UT	N/A	30-T14S-R20E
FLAT ROCK 3-29-14-20	UTU10166		4304736795	FLAT ROCK	UINTAH	UT	ENTRADA	29-T14S-R20E
UTE TRIBAL 10-2-15-20	ML-46842		4304735625	FLAT ROCK	UINTAH	UT	WASATCH	2-T15S-R20E
UTE TRIBAL 11-30-14-20	UTU019837		4304739740	FLAT ROCK	UINTAH	UT	DAKOTA-BUCKHORN	30-T14S-R20E
UTE TRIBAL 1-25-14-19	1420H625581	Ute Tribe	4304750654	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 1-30-14-20	UTU019837		4304739665	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 13-25-14-19	1420H625581	Ute Tribe	4304750689	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 15-25-14-19	1420H625581	Ute Tribe	4304739052	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 15-30-14-20	UTU019837		4304739942	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 28-1A	UTU10166		4304733595	FLAT ROCK	UINTAH	UT	DAKOTA	28-T14S-R20E
UTE TRIBAL 29-1A	UTU10166		4304730981	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-2A	UTU10166		4304732945	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-3A	UTU10166		4304732946	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-4A	UTU10166		4304733616	FLAT ROCK	UINTAH	UT	DAKOTA	29-T14S-R20E
UTE TRIBAL 29-5A	UTU10166		4304733617	FLAT ROCK	UINTAH	UT	CEDAR MOUNTAIN	29-T14S-R20E
UTE TRIBAL 29-6A	UTU10166		4304734102	FLAT ROCK	UINTAH	UT	CURTIS-ENTRADA	29-T14S-R20E
UTE TRIBAL 29-7A	UTU10166		4304734103	FLAT ROCK	UINTAH	UT	CURTIS-ENTRADA	29-T14S-R20E
UTE TRIBAL 30-1	UTU019837		4 <del>304715764</del>	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-2A	UTU019837		4304730641	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-3A	UTU019837		4304710913	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-4A	UŤU019837		4304716520	FLAT ROCK	UINTAH	UT	TW	30-T14S-R20E
UTE TRIBAL 30-5A	UTU019837		4304720502	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-6A	UTU019837		4304733596	FLAT ROCK	UINTAH	UT	DAKOTA	30-T14S-R20E
UTE TRIBAL 32-10A	ML-44317		4304733620	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-11A	ML-44317		4304733621	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-12A	ML-44317		4304733558	FLAT ROCK	UINTAH	UT	CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 32-16A	ML-44317		4304734098	FLAT ROCK	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 32-1A	ML-44317		4304732758	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-2A	ML-44317		4304733333	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-3A	ML-44317		4304733334	FLAT ROCK	UINTAH	UT	WASATCH-MESAVERDE	32-T14S-R20E
UTE TRIBAL 32-4A	ML-44317		4304733335		UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 3-25-14-19	1420H625581	Ute Tribe	4304751030		UINTAH	UT	ENTRADA	30-T14S-R20E

### Well Exhibit for Utah DOGM

LEASE/UNIT	Lease # T	ribe Name	API#	FIELD	COUNTY	STATE	RESERVOIR	LOCATION: SEC - TWP - RNG
UTE TRIBAL 32-5A	ML-44317		4304710577	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-6A	ML-44317		4304733337	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-7A	ML-44317		4304733618	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-8A	ML-44317		4304733557	FLAT ROCK	UINTAH	UT	DAKOTA	32-T14S-R20E
UTE TRIBAL 32-9A	ML-44317		4304733619	FLAT ROCK	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 3-30-14-20	UTU019837		4304739739	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 5-25-14-19	1420H625581 Uto	e Tribe	4304750690	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 5-32-14-20	ML-44317		4304739741	FLAT ROCK	UINTAH	UT	DAKOTA ENTRADA	32-T14S-R20E
UTE TRIBAL 6-16-14-20	ML-47502		4304738506	FLAT ROCK	UINTAH	UT	ENTRADA	16-T14S-R20E
UTE TRIBAL 8-25-14-19	1420H625581 Uto	e Tribe	4304739053	FLAT ROCK	UINTAH	UT	N/A	30-T14S-R20E



RECEIVED
AUG 0:4 2015

DIV. OF OIL, GAS & MINING

July 16, 2015

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Re: Change of Operator

Whiting Oil and Gas Corporation respectfully submits change of operator sundries for Flat Rock field in Uintah County, UT.

The new operator is Cobra Oil and Gas Corporation PO Box 8206 Witchita Falls, TX 76307-8206 Phone: (940) 716-5100

Regulatory Admin for Cobra: Barbara Pappas 940-716-5103 Barbara@cobraogc.com

Please contact Barbara Pappas or myself if you should have questions or need additional information.

Best Regards

Cara Mezydio,

Engineering Technician III – Central Rockies Asset Group

(303) 876-7091

Cara.mezydlo@whiting.com



RECEIVED
AUG 0.4 2015

DIV. OF OIL, GAS & MINING

July 16, 2015

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Re: Change of Operator

Whiting Oil and Gas Corporation respectfully submits change of operator sundries for Flat Rock field in Uintah County, UT.

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Regulatory Admin for Cobra: Barbara Pappas 940-716-5103 Barbara@cobraogc.com

Please contact Barbara Pappas or myself if you should have questions or need additional information.

Best Regards

Cara Mezvalo,

Engineering Technician III – Central Rockies Asset Group

(303) 876-7091

Cara.mezydlo@whiting.com



#### Rachel Medina < rachelmedina@utah.gov>

#### **Plugged Wells**

8 messages

Rachel Medina <rachelmedina@utah.gov>
To: Barbara Pappas <br/>
barbara@cobraogc.com>

Thu, Aug 6, 2015 at 11:05 AM

Hi Barbara.

The following Whiting wells are listed on the request for the Cobra operator change, but are currently plugged. Our Division does not usually move plugged well unless the new operator has plans to reenter the wells. Will this be the case for Cobra?

CHIMNEY ROCK 32-11	32	130S	210E 4304733445
UTE TRIBAL 32-11A	32	140S	200E 4304733621
FLAT ROCK 13-32-14-20	32	1 <b>4</b> 0S	200E 4304736992
FLAT ROCK 14-32-14-20	32	140S	200E 4304736993
FLAT ROCK 15-32-14-20	32	140S	200E 4304736994
UTE TRIBAL 8-25-14-19	30	140S	200E 4304739053

Also, the following wells were listed on the exhibit but are not currently operated by Whiting. They will not move in the operator change.

Flat Rock 30-3A 4304730729 Ute Tribal 30-1 4304715764 Ute Tribal 30-4A 4304716520

Thanks!

Rachel Medina Division of Oil, Gas & Mining Bonding Technician 801-538-5260

Rachel Medina <rachelmedina@utah.gov>
To: Barbara Pappas <br/>
barbara@cobraogc.com>

Thu, Aug 6, 2015 at 2:36 PM

Hi Barbara,

Cobra is also taking over 3 State/Fee wells that have been shut in for over a year. Because of this our Petroleum Engineer is requesting a shut in plan and full cost bonding. For the shut in plan you will need to submit an outline and time frame of the plans for each well. To determine full cost bonding you will need to submit a plugging estimate, our engineer will evaluate the cost and set the bond for each well at the estimate or depth bonding (as outline in the rules), whichever is greater.

Please let me know if you have any questions.

Thanks!

[Quoted text hidden]

**Barbara Pappas** <br/>
<br/>
To: Rachel Medina <rachelmedina@utah.gov>

Thu, Aug 6, 2015 at 3:10 PM

Rachel:

I have forwarded to my managers and hopefully will have an answer for you soon.

Thanks,

Barbara

From: Rachel Medina [mailto:rachelmedina@utah.gov]

Sent: Thursday, August 06, 2015 3:37 PM

To: Barbara Pappas <barbara@cobraogc.com>

**Subject:** Re: Plugged Wells

[Quoted text hidden]

#### Rachel Medina < rachelmedina@utah.gov>

Fri, Aug 14, 2015 at 8:58 AM

To: Barbara Pappas <barbara@cobraogc.com>

Hi Barbara,

The Division received confirmation that the plugged wells need to be moved to Cobra. At this point we are waiting for shut in plans and plugging estimates on the following wells.

**UTE TRIBAL 32-1A UTE TRIBAL 32-3A** UTE TRIBAL 32-4A

Thanks!

[Quoted text hidden]

#### Charlie Gibson < charlie@cobraogc.com>

Wed, Aug 19, 2015 at 8:40 AM

To: "rachelmedina@utah.gov" <rachelmedina@utah.gov>

Cc: Rory Edwards <rory@cobraogc.com>, Bobby Hess <br/> <br/> Shess@cobraogc.com>, Kyle Gardner

<kgardner@cobraogc.com>, Barbara Pappas <barbara@cobraogc.com>

Rachel,

We have studied the wells listed below and our estimate to plug the wells is \$20,000/well. We also believe that the wells still have economic potential and plan on working on the wells by 10-1-2015 to attempt to reestablish production. Let me know if you have any questions.

#### Charlie Gibson

**Operations Manager** 

#### Cobra Oil & Gas

(940)716-5100 (o)

(940)781-6260 (c)

From: Rachel Medina [mailto:rachelmedina@utah.gov]

Sent: Friday, August 14, 2015 9:59 AM

To: Barbara Pappas <barbara@cobraogc.com>

Subject: Re: Plugged Wells

Hi Barbara.

[Quoted text hidden] [Quoted text hidden]

#### Rachel Medina < rachelmedina@utah.gov>

To: Dustin Doucet <dustindoucet@utah.gov>

Wed, Aug 19, 2015 at 4:46 PM

What are you thoughts on the full cost bonding and the shut in plan? [Quoted text hidden]

#### **Dustin Doucet < dustindoucet@utah.gov>**

To: Rachel Medina <rachelmedina@utah.gov>

Wed, Aug 19, 2015 at 6:16 PM

Without more supporting evidence of their P&A cost estimate, I don't feel comfortable with the estimate provided. It appears several plugs may need to be drilled out to properly isolate formations with open perfs with cement as required by rule. I doubt this was taken into consideration in their estimates. Since they are proposing to work the wells over by October 1, 2015, I would be willing to accept the \$30,000 depth bond per well to get these transferred and let them get the work done with the caveat that we will require more information on P&A costs and would require full cost bonds if found to be more than \$30K per well if the work is not done by October 1, 2015.

[Quoted text hidden]

Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

#### Rachel Medina < rachelmedina@utah.gov>

Thu, Aug 20, 2015 at 9:09 AM

To: Charlie Gibson < charlie@cobraogc.com>

Cc: Rory Edwards <a href="mailto:rory@cobraogc.com">rory@cobraogc.com</a>, Bobby Hess <a href="mailto:bhess@cobraogc.com">bhess@cobraogc.com</a>, Kyle Gardner <a href="mailto:kgardner@cobraogc.com">kgardner@cobraogc.com</a>, Barbara Pappas <a href="mailto:barbara@cobraogc.com">barbara@cobraogc.com</a>

gardner@cobiaogc.com2, Darbara i appas sparbara@cobiaogc.co

Hi Charlie,

The following is our Petroleum Engineer's review;

-Ute Tribal 32-1A, Ute Tribal 32-3A and Ute Triabl 32-4A are each required to have a \$30,000.00 individual bond. -Cobra's plan to put the wells on production by October 1, 2015 is accepted, however a condition has been placed that if the wells are not producing by October 1st the Division will require a new P&A estimate be

submitted and reviewed for full cost bonding.

Please submit bonding for each well, if Cobra needs the new bonding forms again please let me know. As soon as the bond is received we can begin to process the operator change.

Thanks!

[Quoted text hidden]



#### Rachel Medina < rachelmedina@utah.gov>

#### **Utah Change of Operator from Whiting to Cobra**

1 message

Charlie Gibson < charlie@cobraogc.com>

Thu, Aug 13, 2015 at 2:17 PM

To: "rachelmedina@utah.gov" <rachelmedina@utah.gov>

Cc: Jeff Dillard <ieff@cobraogc.com>, Bob Osborne <br/> <br/>bob@cobraogc.com>, Stephen Howard

<Showard@basinoilandgas.com>, Caven Crosnoe <ccrosnoe@scglaw.com>, Rory Edwards <rory@cobraogc.com>,

Phil Rugeley <phil@cobraogc.com>, Rick Haskin <rick@cobraogc.com>, Barbara Pappas

<barbara@cobraogc.com>

Dear Rachel.

We have been informed by Whiting Oil and Gas Corporation that you have requested an email from Cobra Oil & Gas Corporation acknowledging that we have agreed to assume all plugging, abandoning and reclamation obligations for the wells described below. In accordance with the terms and conditions of the Purchase and Sale Agreement (Agreement) between Whiting Oil and Gas Corporation (Seller) and Cobra Oil & Gas Corporation, et al (Buyer), please be advised the Buyer assumed the obligation to plug and abandon all wells located on the Lands and reclaim all well sites located on the Lands regardless of when the obligations arose. Accordingly Cobra Oil and Gas Corporation, as Operator, assumes those obligations and liabilities associated with the wells described below:

32-11

CHIMNEY ROCK 32130S 210E4304733445

UTE TRIBAL 32- 32140S 200E4304733621

11A

FLAT ROCK 13-32140S 200E4304736992

32-14-20

FLAT ROCK 14-

32140S200E4304736993

32-14-20

FLAT ROCK 15- 32140S 200E4304736994 32-14-20

UTE TRIBAL 8-25-14-19 30140S 200E4304739053

Flat Rock 30-3A 4304730729

Ute Tribal 30-1 4304715764

Ute Tribal 30-4A 4304716520

Sincerely,

#### **Charlie Gibson**

**Operations Manager** 

Cobra Oil & Gas

(940)716-5100 (o)

(940)781-6260 (c)